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Liefgreen's Arizona Planting Guide



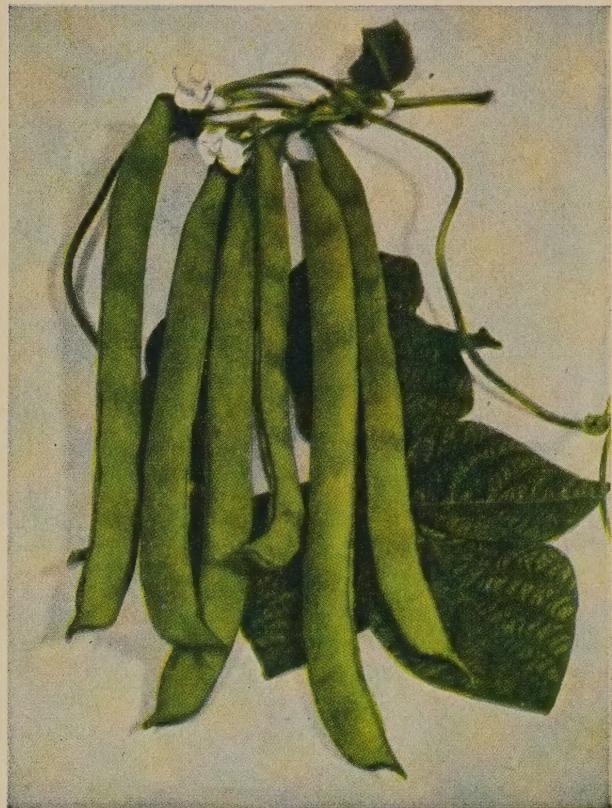
Liefgreen SEED COMPANY
339 W. VAN BUREN • PHOENIX, ARIZONA

TELEPHONE
31147

Your Purchase of Seeds is a Matter of Confidence



VICTOR—Small growing self-topping variety. Bears exceptionally heavy crops of medium-size scarlet tomatoes. Excellent home and market garden variety. Won bronze medal in 1941. Pkt. 15c, oz. 85c, 1/4 lb. \$3.00, postpaid.



POLE BEANS, KENTUCKY WONDER

The most productive variety of pole bean for Arizona conditions is the Kentucky Wonder, which we offer in either white or brown seeded forms. As a snap bean it is unsurpassed in tenderness and flavor. Equally a favorite with the market and home gardener. Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN SEED CO. sell only seed of SUPERIOR QUALITY

Your greatest assurance of crop success is
OUR TESTED RELIABLE SEED

We purchase seed only from growers who have proven their reliability through our years of experience in dealing with them. New strains and types are all tried out in this climate before they are offered to our discriminating trade. All seed offered in this catalog have been tested and proven as the best types and strain for successful planting in this and similar climates.

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS—Be sure that your name and address are written very plainly on each order.

IT MATTERS NOT HOW SMALL YOUR ORDER nor what you may want in the seed line, we shall be glad to hear from you. Our ambition is to serve you in a manner that will make you one of our satisfied customers.

MARKET GARDENERS should avail themselves of Market Gardeners' privileges and write for special quantity prices.

ERRORS IN FILLING ORDERS—We use the greatest of care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

REMITTANCES may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash, send in registered letter. We must decline goods C.O.D. unless 25 per cent of their value accompanies the order.

ACCOUNTS—Parties having no account with us, who order goods without remittance, must furnish satisfactory reference.

WE CARRY ONLY ONE GRADE OF SEED—That is the best procurable. We fill all of own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

NON-WARRANTY—We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of seed.

Add 2% of Order to Cover State Retail Sales Tax
(Customers outside of Arizona need pay no Sales Tax.)

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

DOMESTIC PARCEL POST RATES

For the convenience of our out-of-town customers we list many items at postpaid prices.

For Items Not Listed Postpaid, Customer May Figure Rate from Chart Below

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Weight limit 70 lbs. Local delivery, 1st lb. 7c; each add'l. 2 lbs. 1c.	First Pound or Fraction	Additional Pound or Fraction
First Zone, Phoenix and within 50 miles of Phoenix	9c	1c
Second Zone, within 50 to 150 " " "	9c	1c
Third Zone, within 150 to 300 " " "	10c	2c
Fourth Zone, within 300 to 600 " " "	11c	4c
Fifth Zone, within 600 to 1,000 " " "	12c	5c
Sixth Zone, within 1,000 to 1,400 " " "	13c	7c
Seventh Zone, within 1,400 to 1,800 " " "	15c	9c
Eighth Zone, within all over 1,800 " " "	16c	11c



1945 VEGETABLE SEEDS

Carefully Tested and Selected for Home Gardens and Market Gardeners

ARTICHOKE

LARGE GREEN GLOBE—The favorite garden variety. Very ornamental. Bears second year from seed. Pkt. 15c, oz. \$1.00, postpaid.

ASPARAGUS

CULTURE—Soak seed 24 hours before planting. Sow in February and March in rows, covering seed about 1 inch. The following winter transplant to rows 3 to 6 feet apart and a foot apart in the rows, with at least 10 inches covering. Asparagus prefers light loamy soils.

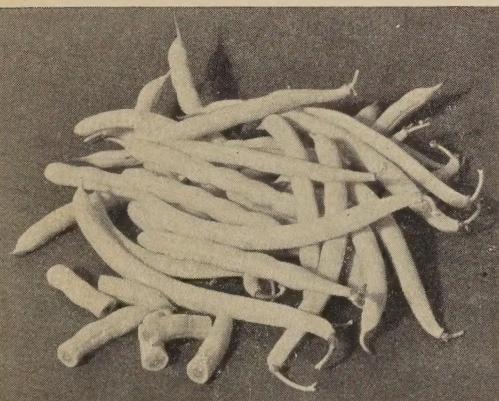
PALMETTO—Light green; very popular. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

SELECTED MARY WASHINGTON — A new giant rust-proof variety. Pkt. 10c, oz. 20c, 1/4 lb. 65c, 1 lb. \$2.00, postpaid.

Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

MARY WASHINGTON ROOTS — 75c per doz., \$3.50 per 100, postpaid.



Liefgreen's Stringless Black Valentine

BEANS

ASK FOR QUANTITY PRICE

CULTURE—For a spring crop plant in February, March and April, according to the location. For fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance to crust. Plant Bush Beans about 3 inches apart in 3-foot rows at the rate of about 1 pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of 1 pound to 200 feet of row and about 40 pounds per acre.

Bush Beans, Green Pod

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S TENDERGREEN—This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

LIEFGREEN'S STRINGLESS BLACK VALENTINE—Very hardy. Dark green pods, 6 to 6½ inches long. Important commercially because of its fine appearance and good keeping qualities and thrives under adverse conditions. Entirely stringless. Also desirable for the home garden.

LIEFGREEN'S STRINGLESS GREEN POD—This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight fleshy, round, thick pods are stringless.

Prices Listed are Postpaid.

Write for Quantity Prices.

Bush Beans, Wax Pod

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

IMPROVED BLACK WAX—Round podded. A beautiful bright yellow color, very early and continues long in bearing. Very productive.

IMPROVED GOLDEN WAX—This bean is a distinct improvement on the old Golden Wax.

Pole Beans, Green Pod

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

KENTUCKY WONDER (Brown Seeded)—Very early and enormously productive. Entirely stringless, very tender. Plant as early in the spring as possible, and again in the latter part of July to the 20th of August.

KENTUCKY WONDER (White Seeded)—The nearly round, silvery green pods are tender, fleshy and stringless. Excellent snap bean; the dry beans good for baking. An improved rust-resistant strain.

SCARLET RUNNER—A great favorite; both ornamental and useful producing dazzling scarlet flowers during the summer months. Pkt. 10c, 1/4 lb. 20c, 1/2 lb. 30c, 1 lb. 50c, postpaid.

Bush Lima Beans

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S IMPROVED BUSH LIMA—The earliest maturing of all the large seeded limas.

HENDERSON'S BUSH LIMA—One of the most productive of the bush lima beans. Pods are small, about 3 inches long, and contain 3 to 4 seeds. Green shell bean but white when fully ripe.

FORDHOOK BUSH LIMA—A popular variety for home or market garden and more prolific than any of the bush varieties. The pods are borne in clusters, are about 4¾ inches long. The pods remain green for a long time.

Pole Lima Beans

KING OF THE GARDEN—A vigorous and productive sort, pods very long, each containing 5 to 6 large beans of delicious flavor. Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

Liefgreen's Quality Seeds for Successful Crops



Corn, Golden Cross Bantam

Liefgreen's Selected TABLE BEET SEEDS

CULTURE—In the warm sections of Arizona Beets may be planted from August 1 until May 1. In the higher altitudes planting may commence as soon in the spring as weather conditions will allow. Two ounces of seed will plant 100 feet of row and 8 to 10 pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to 3 or 4 inches in the row. Cover the seed ½ inch deep and firm the soil after planting. Beets enjoy a light, rich, loamy soil, and frequent cultivation is necessary for rapid and tender growth.

PRICES ON TABLE BEET SEED. Pkt. 5c, oz. 25c, ¼ lb. 75c, 1 lb. \$2.25, postpaid.

Please write for prices in larger quantities.

EARLY WONDER—A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionally fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly.

DETROIT DARK RED—This is a fine main crop all-purpose beet. Sweet, tender and fine grained.

EARLY BLOOD TURNIP—Flesh very tender and retains its blood red color when cooked.

CROSBY'S EGYPTIAN—Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for type.

STOCK BEETS

Stock Beets are recognized as a very valuable stock food.

CULTURE—Sow seed 1 inch deep in well cultivated soil in drilled rows 18 inches to 3 feet apart, the distance depending on the method of cultivation. When large enough, thin plants to 10 inches apart in the row. About 8 pounds is required per acre. As beets germinate slowly, the seed should be planted in moist soil.

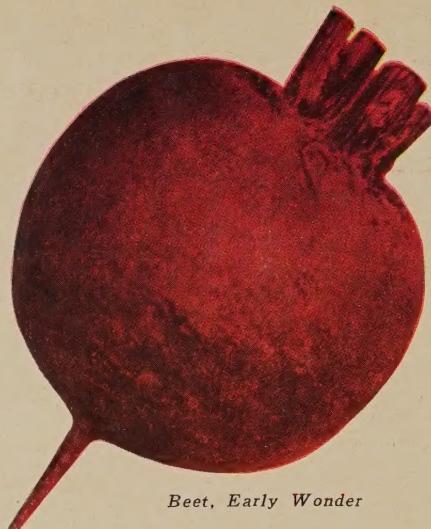
MAMMOTH LONG RED—The roots of this variety grow to a very large size.

GOLDEN TANKARD—Contains more sugar and less water than any other Mangel.

GIANT HALF SUGAR—A very hearty yielder. White solid, tender flesh and very sweet.

SUGAR BEET (White Klein Wanzleben)—Not the largest in size but the richest in saccharine. It will fatten hogs as quickly as grain.

ALL STOCK BEET PRICES — Pkt. 5c, oz. 20c, ¼ lb. 60c, 1 lb. \$1.75.



Beet, Early Wonder



Cabbage, Golden Acre

BROCCOLI

GREEN SPROUTING ITALIAN (Calabrese)—The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems and are cooked and eaten along with the flower and are of a very mild flavor, having none of the distinct cabbage flavor. Plant and care for as cabbages or cauliflower. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, 1 lb. \$4.00.

BRUSSELS SPROUTS

IMPORTED HALF DWARF PARIS MARKET—The culture for Brussels Sprouts is the same as for cabbages. It is a highly esteemed vegetable. Pkt. 10c, ¼ oz. 30c, oz. 85c, postpaid.

CABBAGE

CULTURE: In the warm sections of Arizona, seed should be planted during July and August, in shaded beds, for Fall crop. Also during the Fall and Winter months for Spring harvest. Six ounces will produce plants for 1 acre when transplanted. If drilled in rows and thinned out, 3 to 5 pounds per acre is required.

GOLDEN ACRE CABBAGE—Grown from selected Danish import stock seed by one of the very best Danish growers. One of the earliest varieties of Cabbage. It is dwarf in habit, resembles the Copenhagen Market Cabbage, but smaller heads, averaging 2½ to 3 pounds in wt. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

COPENHAGEN MARKET—This variety also is grown from select Danish import stock seed by one of the most reliable growers. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

RED DUTCH—Heads of deep color and very solid. Excellent for cold slaw and for pickling. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

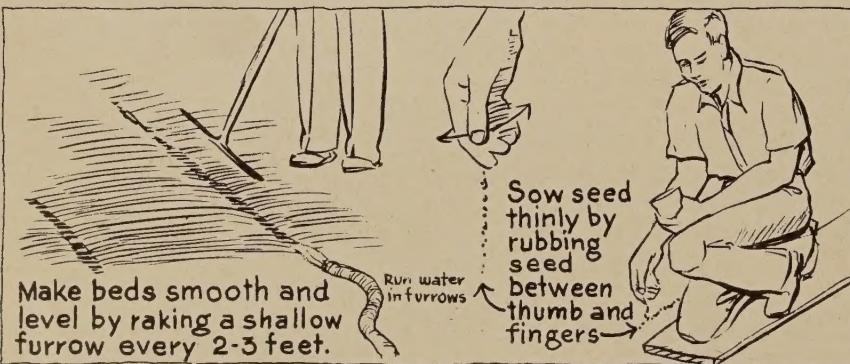
CHINESE CABBAGE

CHILILI—Early dependable heading variety. Heads 18-20 inches tall, very firm, well blanched, crisp, sweet and tender. Matures in 70 days. Serve as a salad or cook like asparagus. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00, postpaid.

WONG BOK—Dwarfer; heads 8 to 10 inches tall, broad and firm. Well blanched and of excellent quality. 75 days. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00, postpaid.

LO-TEMP DUST

Non-poisonous. Designed to control Vegetable Pests. Easy to apply.



Essential steps in preparing and sowing the garden.
For depths to cover see page 10.

Garden Fresh Sweet Corn – Truly Delicious



CARROTS

Plant Liegreen's Quality Seeds

Carrots grow in most any soil, although a sandy loam plentifully enriched with well-rotted manure suits them best. Sow 1 oz. of seed to 100 feet of row, 4 lbs. to the acre. Plant from August to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

DANVER'S HALF LONG—A favorite with market growers and shippers. The tops are medium size. The mature roots are of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. The flesh is of deep orange, tender and of good quality. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

IMPROVED CHANTENAY—A first-class table variety, stump rooted, broad shouldered, about 5 or 6 inches long. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

OX-HEART—Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 4½ inches long. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

IMPERATOR—One of the best selling varieties. In appearance it is sleek, 7 to 8 inches in length, with round shoulders, allowing it to bunch well. Its color is deep orange and its core very indistinct. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

FRENCH FORCING—(60 days) An excellent variety for home garden and early market. It is reddish orange in color, small and globe shaped, excellent quality. This is the earliest of the carrots. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

NANTES HALF LONG CORELESS—A crisp, tender carrot of fine flavor. Flesh is reddish orange and practically coreless; tops are small. A good home or market garden variety. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00.

The Above Are Postpaid.

CAULIFLOWER

CULTURE—Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and a rapid growing condition. Broadcast the seed in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop throughout the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the spring. When plants are 40 to 45 days in beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

Snowdrift No. 16

SNOWDRIFT NO. 16—The earliest and surest heading variety for the Salt River Valley and all of Arizona where an early crop is desired. Our strain of Snowdrift No. 16 is grown in the United States by one of the most particular growers who formerly grew this strain of seed for us in Denmark before the late war curtailed imports. We consider Snowdrift the earliest strain of this type. The leaves grow tall and upright and the inner leaves twirl and cover the head completely. It heads high in the plant, is very smooth and firm and dazzling white. Pkt. 25c, 1/4 oz. \$1.15, oz. \$3.50, 1/4 lb. \$12.50, 1 lb. \$35.00, postpaid.

CELERIAC

(OR TURNIP-ROOTED CELERY)

CULTURE—Nearly the same as celery. A form of celery grown for its fleshy roots.

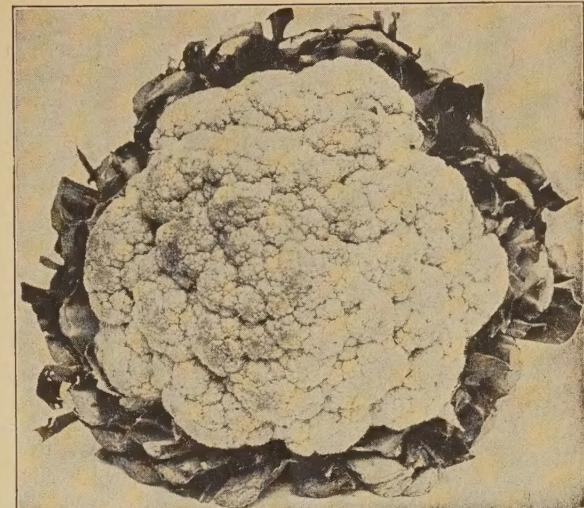
GIANT PRAGUE—Produces large smooth roots with few side roots. Pkt. 10c, oz. \$1.00, 1/4 lb. \$3.35, postpaid.

CELERY

Plant in seed beds in May and when seedlings have 3 or 4 leaves, thin to 3 inches apart. Transplant to open field in August. Bleaching is done by drawing the soil to the plants.

GOLDEN SELF BLANCHING—Tall, compact, excellent type. Pkt. 10c, oz. \$1.50, 1/4 lb. \$5.00, postpaid.

LIEFGREEN SPECIAL UTAH GREEN PASCAL—Medium broad compact stalks. Fine flavor. Very meaty, crisp and sweet, and usually used in the green stage. Pkt. 10c, oz. \$1.00, 1/4 lb. \$3.35, 1 lb. \$10.00, postpaid.



Cauliflower, Snowdrift No. 16

SWEET CORN

CULTURE—Plant sweet corn in the spring after all danger of frost, when the soil is warm enough to assure germination. Plant 4 to 5 kernels in hills 18 inches apart in 3-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. One pound of seed will plant 200 to 300 feet of row or from 8 to 10 pounds per acre, depending on the size of the seed. June corn and Hickory King may be planted in June, July and August, while sweet corns should be planted in early spring and again in August and September. Our corn seed is from the very best selected stock. Write us for quantity prices.

GOLDEN CROSS BANTAM—Edible in 88 days. This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40 per cent more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy stalks and deep green foliage. Pkt. 10c, 1/4 lb. 20c, 1/2 lb. 35c, 1b. 60c, 10 lbs. \$5.50, postpaid. Write for quantity prices.

SELECT ADAMS EARLY—Ready for table use from spring planting in 50 to 60 days, depending on the weather. In the fall it should produce roasting ears in 50 days. It is not a sugar corn but decidedly more hardy. Large pkt. 5c, 1/2 lb. 25c, 1b. 45c, 10 lbs. \$4.00, postpaid.

TRUCKER'S FAVORITE—Best roasting ear—not a true sugar corn. Stalks about 8 feet tall, ears are of medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Pkt. 5c, 1/2 lb. 25c, 1b. 45c, 10 lbs. \$4.00, postpaid.

GOLDEN BANTAM—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1b. 45c, 10 lbs. \$4.00, postpaid.

OREGON EVERGREEN—A very large early variety of sugar corn of excellent flavor and large size. It can be grown early in the spring or late in the fall and is in much demand by the market gardener. This corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. Large pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1b. 45c, 10 lbs. \$4.00, postpaid.

POP CORN

WHITE RICE—A popular and productive variety. The kernels are fine, white, and the ears are from 4 to 5 inches long. Large pkt. 5c, 1/2 lb. 30c, 1b. 50c, 10 lbs. \$4.50, postpaid.

COLLARDS

CULTURE—Similar to cabbage, but does not produce a head.

TRUE GEORGIA—A strong growing variety with light green leaves. Pkt. 10c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.00, postpaid.

FIELD CORN

FOR ROASTING EARS AND ENSILAGE

SACATON JUNE—A white corn, tall stalks.

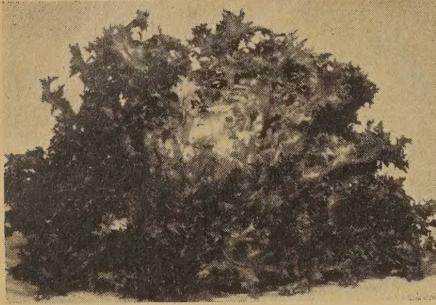
HICKORY KING—White, large kernels, used for hominy.

REID'S YELLOW DENT—A yellow field corn used in the higher altitudes.

The above field corn: Lb. 25c, 10 lbs. \$2.00, postpaid. Write for quantity prices.

For Market Gardeners — Quantity Prices

CUCUMBER



Endive

CULTURE—Plant cucumbers in the spring as soon as all danger of frost is over. If you are located in the light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the fall, usually August and September. Plant 6 to 10 seeds 1 inch apart each way. One ounce will plant 50 hills, 3 pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

A & C CUCUMBER

A & C—Slightly tapered but fairly straight and symmetrical. Deep green color is held longer after picking than other varieties. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.00, postpaid.

CLARK'S SPECIAL—An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when handled long distances. Fruits weigh 2 1/2 lbs., handsome, very dark green color. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

COLORADO—Fruits 9 to 12 inches long. This cucumber is rapidly gaining in popularity and we recommend it highly to the shipper, market and home gardener. One of its outstanding qualities is that it does not taper, but is practically the same size from end to end. The color is dark green, making it especially attractive for display. The flesh is crisp and tender. An exceptionally heavy yielder. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.00, postpaid.

KLONDIKE—Another good white spined variety, medium length, dark color, fine quality. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

SELECT EARLY FORTUNE—Very productive, early and disease resistant; fruits about 8 inches long, slightly tapering; flesh is white; very firm and crisp with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

SPECIAL LONG GREEN—Grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender. Flesh very firm. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

WOODRUFF'S HYBRID—Long, cylindrical with rounded ends, almost round in cross section. Small seed cavity. Medium dark green with thin light green stripes at bottom end. Tender, crisp. Superior quality. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

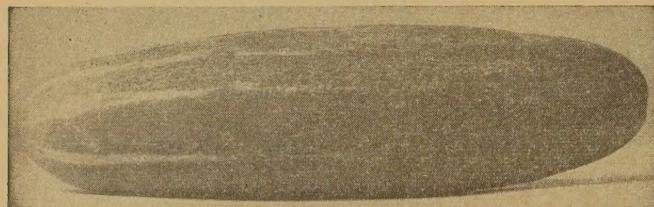
BOSTON PICKLING—Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

LIEFGREEN'S CLIMBING—A very rampant grower, fruits long deep russet, and of excellent quality, weight 2 lbs., 8 to 9 in. long and 2 1/2 inches in diameter. Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75, postpaid.

LEMON—A new variety, the color of a lemon when ready for use and similar in shape. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00.



Kale. Curled Scotch



Cucumber. A & C

CRESS

FINE CURLED or PEPPER GRASS—Sow 1 oz. to 50 feet of row. Requires a rich well prepared soil. Plant 1/2 inch deep in rows 12 to 16 inches apart. When plants are well started thin to 4 to 6 inches apart. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50.

EGG PLANT

CULTURE—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant 2 feet apart in 4-foot rows. To secure a rapid and continuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

BLACK BEAUTY—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt. 10c, oz. 65c, 1/4 lb. \$2.15, lb. \$6.50, postpaid.

IMPROVED NEW YORK PURPLE—Large oval-shaped, deep purple fruits. Pkt. 10c, oz. 65c, 1/4 lb. \$2.15, lb. \$6.50, postpaid.

ENDIVE

CULTURE—Sow seed at any time with the exception of the hot summer months. Sow thinly in rows 18 inches apart and cover lightly. When about 4 inches tall they should be thinned out to stand a foot apart in the row. This plant grows to perfection and makes a very delicious salad for winter use. After plants are well grown gather up leaves and tie at tips into a loose bunch to bleach the inner leaves.

GREEN CURLED RUFFEC—A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to a beautiful golden yellow. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

GARLIC

CULTURE—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the spring season. One pound will plant about 50 feet of row.

GARLIC SETS—50c per pound, postpaid. Write for quantity prices.

HERB SEEDS for Planting

Anise, Sweet Basil, Borage, Caraway, Catnip, Coriander, Dill, Lavender, Sweet Marjoram, Sage, Sorrel, Summer Savory, Saffron, Fennel.

All Herbs, 10c per packet, postpaid.

KALE or BORECOLE

CULTURE—Sow in drills during the fall and spring months. Transplant to 12 inches apart in 3-foot rows. 1/2 ounce required for 100 feet of drill.

GREEN CURLED SCOTCH—Grows to a height of 2 feet or more; leaves are bright green and curled. Pkt. 10c, oz. 30c, 1/4 lb. 90c, 1 lb. \$2.75, postpaid.

KOHL RABI

CULTURE—Kohlrabi is a cold weather plant and should be seeded from early fall to early spring, eliminating the hot summer months. In colder sections plant in early spring. Plant like turnips and thin to 6 inches apart. 1/2 ounce of seed will produce about 1,000 plants.

EARLY WHITE VIENNA—Earliest sort, very tender, excellent for table use. Pkt. 10c, oz. 55c, 1/4 lb. \$1.85, 1 lb. 5.50, postpaid.

EARLY PURPLE VIENNA—Similar to above, but has flesh of purple color. Pkt. 10c, oz. 55c, 1/4 lb. \$1.85, 1 lb. \$5.50, postpaid.

Liefgreen's
Seeds for
Home and
Market
Gardeners

Liefgreen's Lettuce for Home and Market

LIEFGREEN
SEED CO.

Growing Conditions Are Different in Arizona!

It is just this difference in growing conditions that prompted us to include specific instructions in our catalog. We are trying to convey ideas for profitable gardening, and though we realize they may not be infallible, we are doing our level best to better the understanding of gardening in Arizona and the southwest.

Most recommendations for planting are, of necessity, general—that is, done on a national scale and do not consider our specific problems.

In southern Arizona we have open winters, with occasional "cold snaps" which never prohibit planting of root and top vegetables (except all vine crops). The lower temperatures seem to discourage garden enthusiasm for no real reason. Germination of seed is slower and maturity dates are extended but do not overlook the following:

Start in late Aug. or 1st of Sept. and throughout the winter:

LEAF CROPS—Lettuce, Swiss Chard, Spinach, Endive, Mustard, Kale, Cress, Celery, Herbs, Parsley and Kohl-rabi.

ROOT CROPS—Beets, Carrots, Onions, Parsnip, Radish, Salsify, Turnips, Rutabaga.

Sow late in July to late Nov. and again in early December:

TOP HEADING VEGETABLES—Cabbage, Cauliflower and Broccoli.

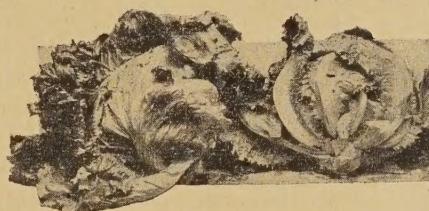
PEAS—Sow August 20 for fall crop. In November and December for spring crop. We have numerous calls for peas in spring—the result of eastern methods and catalogs—but the deadline for even "Early Peas" here is February, because peas do not thrive in the warm weather.

The point we wish to make is this: Our recommendations are carefully prepared with only one thought in mind—to make your garden profitable to you. Better seeds, properly planted and tended are the most important factors to successful gardens.

LEEK

CULTURE—Plant in seed bed or in drills in the field; when large enough transplant or thin out about 6 inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

LARGE LONDON—Broad leaves of strong and vigorous growth; very hardy. Pkt. 10c, 1 oz. 65c, 1/4 lb. \$2.15, postpaid.



Lettuce

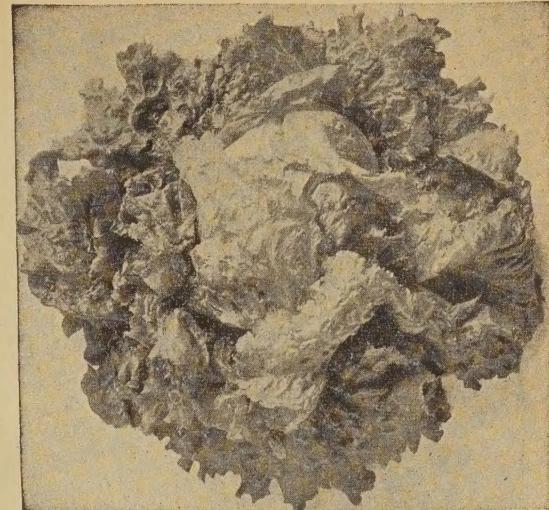
Earlier, Hardier Plants with HOTKAPS

Protect Your Garden Against Rain, Wind, Frost and Bugs

Do as successful market growers do: Place patented Germaco HOTKAPS — strong little hot-houses—over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects—maintain perfect mulch. Increase yield from 18 to 51 per cent, ripen plants three weeks earlier. Quick, easy to set, instructions on package. 25 Hotkaps, 50c (postpaid 65c); 100, with setter, \$1.95 (postpaid \$2.15); 250, with setter, \$3.50 (postpaid \$3.75). Beat everyone with first vegetables, flowers. Buy Germaco HOTKAPS from us today. MARKET GROWERS: GERMACO HOTKAPS help you have sure crops, highest out-of-season prices, bigger profits.

1000 for only \$11.00, postage extra.

WEIGHT 28 POUNDS. WRITE FOR QUANTITY PRICES.



Lettuce, Arizona Wonderful

LETTUCE

CULTURE—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When lettuce is planted early in hot ground plant 2 pounds of seed to the acre. During the winter season, when the soil is cool, 1 1/4 pounds per acre is plenty.

Head Lettuce

Ask for prices in larger quantities for commercial planting.

NEW YORK SPECIAL—Hardy, uniform heads, light green outer leaves with the center bleached pure white. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.40.

ARIZONA WONDERFUL—A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.40.

IMPERIAL "152"—Medium sized, solid heads. Quite hardy, very sure heading, also resistant to brown blight. Pkt. 10c, oz. 35c, 1/4 lb. \$1.10, lb. \$3.40.

IMPERIAL "615"—One of the largest heading varieties. Resistant to brown blight; does not make suckers. Desirable for early spring cutting. Pkt. 10c, oz. 35c, 1/4 lb. \$1.10, lb. \$3.40.

ICEBERG—A splendid head lettuce for spring planting. Pkt. 10c, oz. 25c, 1/4 lb. 85c, lb. \$2.50.

Leaf Lettuce

PARIS COS or ROMAINE—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.10.

DENVER MARKET—For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.10.

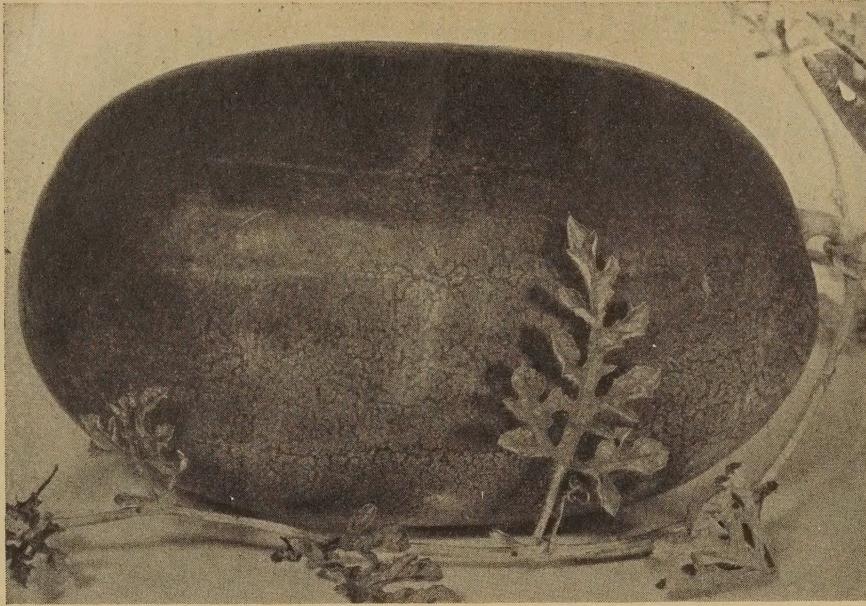
BLACK SEDED SIMPSON—Crisp and very tender. Large crumpled or frilled leaves make a bunch at the center. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.10.

ALL THE ABOVE POSTPAID
Market Growers Should Ask for Quantity Rates.



Liefgreen's Melons for Best Results

CANTALOUPES



Watermelon, Selected Klondike Brown Seeded

Liefgreen's WATERMELONS

CULTURE—Use our northern grown seed for a successful melon crop. Our melon seed is selected from the very best types and will grow harder larger plants and melons than the average seed. Plant seed in furrow, dropping six seeds every 8 or 10 feet apart. Cover about 2 inches deep. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use 2 to 3 pounds of seed to the acre.

LIEFGREEN'S SELECT KLONDIKE—One of the best melons grown for shipping and home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen melons. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.25, postpaid.

KLONDIKE BROWN SEEDED—The outstanding variety for shipping and home garden use in Arizona. Popular because of its delicious flavor and attractive interior color. Flesh bright red and very sweet. Fruits oblong and of uniform green color. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.25, postpaid.

KLONDIKE, WILT RESISTANT R-7—Is resistant to fusarium wilt and has all the other qualities of the regular Klondike listed above. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

NEW STRIPED KLONDIKE No. 11—This new strain carries as high sugar content as any commercial watermelon. The rind is thin but strong and the flesh is solid and a bright red. A most attractive melon in both outside appearance and when cut. Edible qualities are excellent and delicious. Seeds are black splotched and striped with brown at the edges. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.25, postpaid.

ANGELENO BLACK SEEDED—Much like white seeded Angeleno except in color of seed. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

IMPROVED BLACK SEEDED CHILIAN—This melon possesses a rich, fruity flavor. Very sweet and has a thin rind. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

IRISH GRAY or GENERAL PERSHING—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

CULTURE—Thoroughly soak the soil. When dry enough, plow 10 or 12 inches deep. After pulverizing the soil make furrows 8 or 10 inches deep. Plant the seed in furrows 6 feet apart each way, using 8 or 10 seeds to a hill, which will require 2 pounds to the acre. When paper covers are used, planting in the Salt River Valley generally starts in February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are 10 or 12 inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine, therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture.

HALE'S BEST No. 45—Excellent flavor and a good keeper as well as mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon-thick and firm with small seed cavity. Recommended to plant where mildew is prevalent. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid. Ask for quantity prices.

EARLY HALE'S BEST No. 36—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop melons. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

EXTRA-EARLY HACKENSACK (Green Flesh)—Rounded fruits of medium size, irregularly ribbed and heavily netted. Thick flesh of a delicious sweet flavor. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

IMPROVED ROCKY FORD PERFECTO—An excellent shipping variety. Melons are heavily netted without ribbing. Flesh orange, thick and has a delicious flavor. Small seed cavity. An excellent melon. Pkt. 10c, oz. 20c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

TIP TOP—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed and slightly netted. Flesh is salmon, rich and sweet. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

CRANSHAW—A new melon of exceptional merit. Fruits weigh 7 to 8 pounds, are pointed at stem end and round at base. The skin is relatively smooth with no rib or net, mottled gold and green. The flesh is a pleasing bright salmon, very thick, and has rich, spicy flavor. Not a good distance shipper but an excellent variety for local markets and the home garden. Pkt. 10c, oz. 40c, 1/4 lb. \$1.25, 1 lb. \$3.75, postpaid.

HONEY DEW and CASABA

BABY PERSIAN—A small type Persian melon. Is uniform in size. Fruit is about 6 inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50.

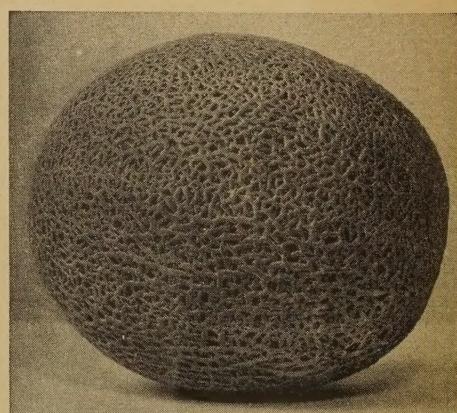
GOLDEN BEAUTY—The most popular and the best flavored Casaba melon grown. Grows from 6 to 8 inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

HONEY BALL—This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. Pkt. 10c, oz. 20c, 1/4 lb. 65c, 1 lb. \$2.00, postpaid.

HONEY DEW—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

HOTKAPS

eliminate weather and insect damage, promote sturdy growth and bring crops to maturity two to three weeks earlier. For prices, see page 7.



Cantaloupe, Hale's Best No. 45



Superior Onion Seeds and Sets



Onion, White Sweet Spanish



*Liefgreen's Evergreen
Bunching Onion,*



Onion, Utah Sweet Spanish

MUSTARD

CULTURE—Very easy to grow. Sow in the fall and during the winter and spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil is best.

SOUTHERN CURLED — The true curled leaf variety. Looks like spinach and has a very agreeable flavor. Pkt. 5c, oz. 15c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

OSTRICH PLUME—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. Pkt. 5c, oz. 15c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

OKRA or GUMBO

CULTURE—Okra thrives well in Arizona and is a very popular vegetable. Requires a generous supply of water and responds readily to fertilization and cultivation. Plant after all danger of frost is over in drills and thin to 12 inches apart. Sow one ounce to 50 feet of row. To produce really early okra plant heavily, at least 10 or 12 pounds to the acre.

EARLY DWARF GREEN — Short pod. Dwarf stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt. 5c, oz. 20c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

LONG GREEN—A very productive variety. Long ribbed pods. Pkt. 5c, oz. 20c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

PARSLEY

CULTURE—Sow in the fall for early spring. As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

MOSS CURLED—Excellent for garnishment and flavoring and very decorative. Leaves are very fine and crisp. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

PARSNIP

CULTURE—Plant from October to March. Sow in drills in rich soil 1/2 inch deep and 15 inches apart. Cultivate like carrots and thin to 4 inches apart. 1/2 ounce of seed will plant about 100 feet of row; 3 pounds to the acre.

HOLLOW CROWNED—The very best parsnips, either for table use or for stock. Pkt. 10c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.75, postpaid.

LIEFGREEN'S ONIONS

CULTURE—A rich, well drained soil will produce fine onions. If soil is not well drained it will produce thick necked scalions. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the fall and early winter months. Time of planting depends on the variety. Drill onion seed in 14-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion, which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to the acre for dry onions or 1 ounce to 100 feet. For green onions or bunching onions plant 10 pounds per acre. Our onion seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity prices.

Please write for prices in larger quantities.

WHITE SWEET SPANISH — Like the original Sweet Spanish, it is a good keeper. We are very proud of our strain as it has given wonderful results. Pkt. 10c, oz. 85c, 1/4 lb. \$2.85, 1 lb. \$8.50, postpaid.

UTAH SWEET SPANISH—Large well shaped brown onions weighing 1 to 3 pounds. Globular, with golden yellow skins, white flesh very mild, with a pleasing flavor. Pkt. 10c, oz. 85c, 1/4 lb. \$2.65, 1 lb. \$8.00, postpaid.

CRYSTAL WHITE WAX—A large white Bermuda type onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00, 1 lb. \$6.00, postpaid.

SILVER SKIN—One of the leading white onions. Average diameter is 4 to 6 inches. The thick skin is a clear silvery white, flesh snow white. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

YELLOW BERMUDA—Outer skin is of a pale strawish color. A large flat onion with a very mild flavor. Very early. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00, 1 lb. \$6.00, postpaid.

Bunching Onions

MULTIPLE WHITE BUNCHING — Is bulbless, perennial and forms long, slender, leaf-like silvery white stalks—used for bunching. The onions produce in clusters of four to nine and are twice the size of ordinary bunching onion. Pkt. 10c, oz. 85c, 1/4 lb. \$2.85, 1 lb. \$8.50.

ONION SETS

WRITE FOR PRICES IN LARGE QUANTITIES

NOTE—Prices include postage. When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

Onion sets are grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. Mature about six weeks earlier than crop grown from seed.

BROWN—1 lb. 45c; 10 lbs. \$4.00.

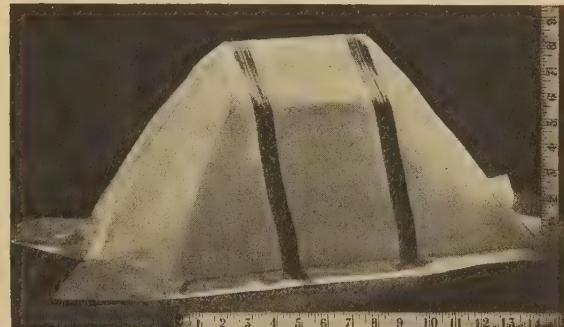
WHITE—1 lb. 45c; 10 lbs. \$4.00.

Germaco Hotents

Big brothers to the famous Germaco Hotkaps. Extra large size provides extra large space for growing plants. Lengthen your season, help you get to market earlier for highest prices. (See Hotkaps, page 40).

PRICES: 500 lots, \$7.50; 1000 lots, \$14.50. Setter, \$1.75; postage or freight extra.

.. Enable You to Plant Earlier ..
Protect Longer!





Get a Good Start With LIEFGREEN'S Seeds



Peas, Laxton's Progress

PEAS

CULTURE—Plant peas from September to April 1. Peas are hardy and stand a great deal of cold. During cold weather plant seed 1 to 2 inches deep; in the warmer months plant 3 to 4 inches deep. Sixty pounds to the acre is the amount usually used.

Prices on pea seed as follows: Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

EARLY VARIETIES

LAXTON'S PROGRESS (Early)—Regarded by some large users as the best of the large podded early peas. Pods large, of fine color, and are well filled with large peas of finest quality.

HUNDREDFOLD—An early variety and a great favorite. Plant in September for a fall crop.

SECOND EARLY VARIETIES

DWARF TELEPHONE—Planted after the Progress, usually in November for a spring crop.

GIANT STRIDE (Improved Stratagem)—A very popular late bush variety.



Pepper, California Wonder

PEANUTS

CULTURE—Plant 25 lbs. unshelled nuts or 15 lbs. of kernels to the acre. There are many sections in Arizona suitable for growing peanuts. A sandy loam is most desirable or a light porous soil that will readily clean from the nut when harvested. Plant in June and July.

VIRGINIA IMPROVED is known as a runner, and has a spreading habit of growth and forms pods both at the base of the plant and along the lateral stems. Large nuts. (Sold in the shell.)

SPANISH HULLED—This is the most important commercial variety. The habit of growth is upright with heavy foliage and produces close to the base of the plant, which makes it easier to cultivate and harvest. Nuts small. (Sold shelled.)

Lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S PEPPERS

CULTURE—Sow seed in hot beds in November, December and January. Transplant to the field when all danger of frost is over unless paper plant protectors are used. Peppers delight in highly fertilized soil and should be kept well watered. Plant 18 inches apart in 30-inch rows. One ounce of seed will produce 1,000 plants or 1/4 pound seed to the acre.

ANAHEIM CHILI—Pods about 7 or 8 inches in length. Because of its agreeable pungency it is one of the most popular peppers on the market. Pods keep for months when dried, which makes it a good, marketable crop. Pkt. 10c, oz. 65c, 1/4 lb. \$2.25, 1 lb. \$6.50, postpaid.

CALIFORNIA WONDER—It is the best large-fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender and of finest flavor. Pkt. 10c, oz. 95c, 1/4 lb. \$3.15, 1 lb. \$9.50, postpaid.

FLORAL GEM—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt. 10c, oz. 80c, 1/4 lb. \$2.65, 1 lb. \$8.00, postpaid.

PIMENTO—Every garden should have a row of this pimento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other pepper. Pkt. 10c, oz. 55c, 1/4 lb. \$1.85, 1 lb. \$5.50, postpaid.



Pumpkin, Small Sugar

PUMPKINS

CULTURE—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 3 pounds are required to the acre. Plant plenty of pumpkins as they make excellent cow and hog feed.

SMALL SUGAR—A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine-grained. Sells better than any other pumpkin on the local market. Excellent for pies. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

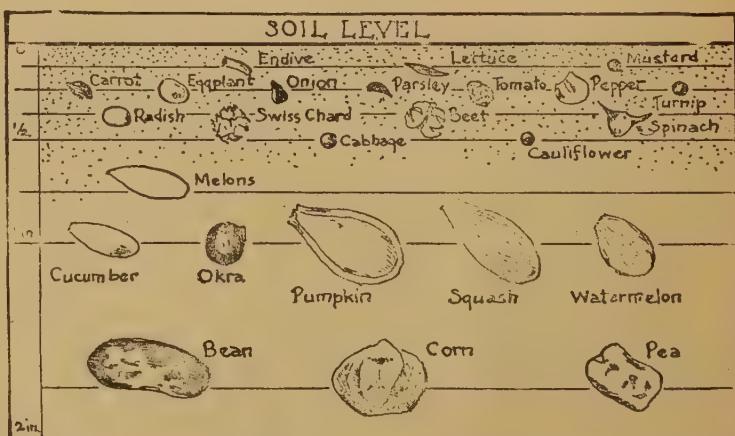
LARGE CHEESE—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

JAPANESE PIE—Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

CONNECTICUT FIELD—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

IMPROVED YELLOW CASHAW—A crookneck pumpkin. Solid, fine and sweet. Keeps well. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

WINTER LUXURY—Like the Small Sugar in shape but somewhat larger. Round fruits flattened at the ends. Average weight 7-9 lbs. Skin thin, netted, orange yellow; flesh thick, firm, exceptionally sweet and fine flavor for pies. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.



Proper depth of soil covering for seeds is very important. Better and quicker germination gives your garden a head start.

Superior Seeds for Home and Market Gardeners

LIEFGREEN
SEED CO.



Radish, White Tipped Scarlet Turnip

RADISHES

CULTURE—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. Plant 1 ounce of seed to 100 feet of drill, 10 pounds to the acre.

Price of all radishes listed: Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.25, all postpaid.

LONG WHITE ICICLE—The most popular long white radish.

EARLY LONG SCARLET—Long bright scarlet. Very brittle and sweet. Matures early.

WHITE TIPPED SCARLET TURNIP—A table dainty, crisp, tender and sweet.

EARLY SCARLET TURNIP—A handsome scarlet, crisp and juicy.

CRIMSON GIANT—Twice as large as any other turnip-shaped variety. Does not get hollow or pithy.

FRENCH BREAKFAST—An early variety with good flavor and attractive appearance.

ROUND BLACK SPANISH—Black skin, white flesh and firm texture.

EARLY SCARLET GLOBE—Oval in shape and is a rich scarlet color.

MIXED RADISH—A mixture of all the best varieties.

SALSIFY

SANDWICH ISLAND—An improved type and the largest and most delicious salsify in cultivation. Pkt. 10c, oz. 60c, $\frac{1}{4}$ lb. \$2.00, 1 lb. \$6.00, postpaid.



Squash, Black Zucchini

SPINACH

CULTURE—Sow in drills 12 to 18 inches apart and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using 1 ounce of seed to 75 feet of row and from 25 to 35 pounds to the acre.

PRICKLY WINTER, HOLLANDIA (Broad Leaf)—A splendid fall and winter variety, quick growing with large green leaves. The leading variety. Ask for quantity prices. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 25c, 1 lb. 75c, 5 lbs. \$3.50, postpaid.

NOBEL (GIANT THICK LEAVED)—A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 5c, 1 oz. 15c, $\frac{1}{4}$ lb. 25c, 1 lb. 75c, 5 lbs. \$3.50.

VIROFLAY—Large vigorous variety with thick broad deep green leaves. Popular with home and market gardeners. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 25c, 1 lb. 75c, 5 lbs. \$3.50.

NEW ZEALAND—A large seeded cut-and-come-again variety. Not planted commercially. One plant will cover a 4-foot area. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, 1 lb. \$2.00, postpaid.



Radishes, Early Scarlet Globe

EARLY SUMMER CROOKNECK—A small crook-neck summer squash. Skin bright yellow. This is the richest of summer squashes. Very early and productive. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00, postpaid.

IMPROVED GREEN TINT WHITE BUSH SCALLOP—Similar to the White Bush Scallop, but selected for the darker green fruit which holds its color longer and makes it very desirable for market purposes. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00, postpaid.

GOLDEN YELLOW STRAIGHTNECK—Select type of golden summer squash with a straight neck instead of curved. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00, postpaid.

Winter Varieties

TABLE QUEEN—A small green squash growing about 7 inches long and 4 to 5 inches thick. Very sweet and fine grained. An excellent keeper for winter use. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25, postpaid.

IMPROVED GREEN HUBBARD—The most popular hard-shelled squash for baking and for pies. Dark, bronze green skin and flesh is fine-grained, thick, dry and richly flavored. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25, postpaid.

GOLDEN HUBBARD—Similar to Green Hubbard except in color, which is a deep orange. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25, postpaid.

BANANA—A popular softshell variety growing 18 inches to 2 feet long, 6 to 8 inches in diameter; skin grayish blue; flesh yellow and fine grained. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25, postpaid.

YOU CAN INCREASE THE NUMBER AND
QUALITY OF BERRIES ON ORNAMENTAL
SHRUBS . . . by spraying with

FRUITONE

REG. U. S. PAT. OFF.

This plant hormone spray will help to develop big berries on holly, snow berry, euonymus, pyracantha and other berry bearing shrubs—even when they are bi-sexual and no male plants are near. Simple and easy to use. Stops drop of leaves and fruit.

2/5 oz. pkt. (5 gallons of spray) 25c.
2 ozs. (25 gallons of spray) \$1.00.

Superior Seeds for Home and Market Gardeners



Tomato, Norton Stone

TURNIPS

CULTURE—Sow from September 1 to March 1 in loose loamy soil in double rows on ridges. One ounce of seed will sow about 100 feet of row or 2 pounds to the acre.

PURPLE TOP WHITE GLOBE—The most popular and the most attractive turnip on the market. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

PURPLE TOP STRAP LEAVED—Quick grower. Flesh very fine grained and sweet. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

WHITE EGG—An egg-shaped variety for early or late planting. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

GOLDEN BALL—Round, smooth, yellow turnip of fine quality. Good keeper. Pkt. 5c, oz. 20c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

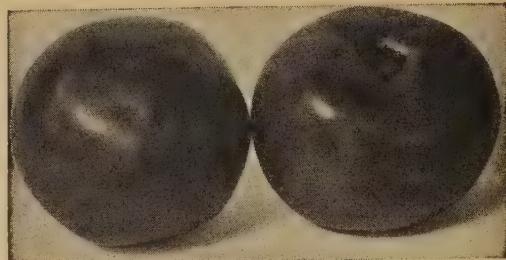
RUTABAGA

OR SWEDISH TURNIP

IMPROVED YELLOW PURPLE TOP—The popular standard variety, both for stock feeding and for table use. Pkt. 5c, oz. 20c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.



Spinach, Prickly Winter Hollandia



Tomato, Earliana, No. 498

TOMATOES

CULTURE—Tomatoes do best in light, warm, rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market tomatoes, we advise covering with Hotcap Plant Protectors for frost protection. Transplant 3 to 6 feet apart in rows 4 to 6 feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about 1/4 pound of seed for field planting or 1 ounce of seed for every 2,000 plants in the hot bed.

SELECT EARLIANA—The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50.

FIRST EARLY—An exceptionally good strain of Earliana type. Fruit high color solid and smooth. This tomato packs well and is a good shipper. One of the best of the early tomatoes. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

EARLY NO. 498—Recommended for the critical grower trade, of the Earliana type, globe shaped, smooth, of rich scarlet color. Probably the best of its type. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50.

CHAULK'S EARLY JEWEL—Nearly as early as Earliana. Fruit large and of fine flavor. Pkt. 10c, oz. 65c, 1/4 lb. \$2.00, 1 lb. \$6.00, postpaid.

DWARF STONE—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth, and ripens early. Color bright red. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

MARGLOBE—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

NORTON STONE—WILT RESISTANT—A wilt resistant Stone tomato that has gained popularity owing to its wilt resistant qualities. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

PEARSON—Vigorous self-topping plants. Set heavy crops of medium large, semi-globe shaped fruits. A good red color with tough skins. An ideal variety for canning and shipping. Bred for western conditions. Pkt. 10c, oz. \$1.50, 1/4 lb. \$5.00, 1 lb. \$15.00, postpaid.

PONDEROSA or BEEFSTEAK—A very large tomato with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt. 10c, oz. 95c, 1/4 lb. \$3.15, 1 lb. \$9.50, postpaid.

GOLDEN QUEEN—Large size, smooth fruits of light golden yellow. Thick and meaty yellow flesh of excellent flavor and mild acidity. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, postpaid.

RUTGERS—A vigorous and productive tomato for canning or market. Fruits to 1 1/2 pound are borne on strong branches which hold them well above ground. Fruits are globular, bright red, with thick walls and small seed shells. It is an excellent tomato. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, postpaid.

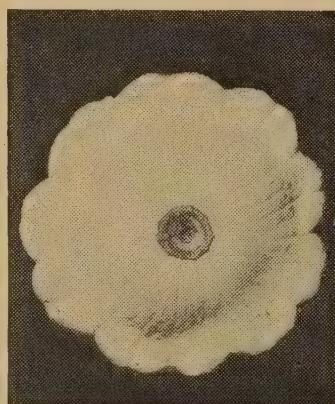
VICTOR—Small growing self-topping variety. Bears exceptionally heavy crops of medium-size scarlet tomatoes. Excellent home and market garden variety. Won bronze medal in 1941. Pkt. 15c, oz. 85c, 1/4 lb. \$3.00, postpaid.

RED CHERRY—Small bright scarlet fruits borne in clusters. Pkt. 10c, oz. 80c, postpaid.

YELLOW PEAR—The favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt. 10c, oz. 80c, postpaid.

RED PLUM—Plum shaped. Used for preserves. Pkt. 10c, oz. 80c, postpaid.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE



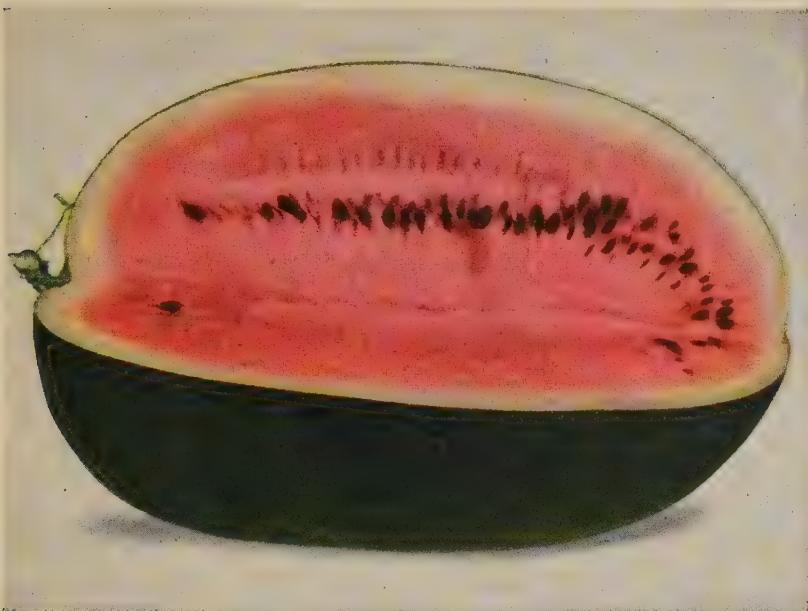
Squash, White Bush Scallop



Turnip, Purple Top, White Globe

Plant Liefgreen's Finer Vegetable Seeds

LIEFGREEN
SEED CO.



WATERMELON, LIEFGREEN'S SELECT KLONDIKE

Delicious, sweet, tender melons with thin rich green skins can be grown in the home garden or in quantity for the market. It is an excellent shipper. Flesh bright red with characteristic small brown seeds. Our seed is selected from perfect specimens only. Watermelons make good growth in the warm climate of Arizona. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.25, postpaid.

Seed is valuable and good seed deserves the best care possible, for with it better vegetables can be grown. Buy Liefgreen's vegetable seed and be sure of the best in quality.



ONION, SWEET SPANISH

A popular sweet onion for home and market gardens. Pkt. 10c, oz. 85c, $\frac{1}{4}$ lb. \$2.65, lb. \$8.00, postpaid.



RADISH, EARLY SCARLET TURNIP

Radishes are about the easiest vegetable to grow. Sow any time of the year except the hottest months and have a continuous supply of fresh, crisp radishes for the table. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 40c, lb. \$1.25, postpaid.

Use Lo-Temp

— for —

Melon Aphids and Thrips

See Page 44



LETTUCE, ARIZONA WONDERFUL

The delicious, tight, crisp heads of lettuce so well known and grown in Arizona are, no doubt, of this variety. It is the best type we offer and is easily grown either commercially or in the home garden. Plant in a rich loamy soil for best growth. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.40, postpaid.

Seeds of Quality

LIEFGREEN
SEED CO.



LIEFGREEN'S ARIZONA GIANT SNAPDRAGONS

GIANT SNAPDRAGON

(ANTIRRHINUM)

LIEFGREEN'S ARIZONA GIANTS

Plant in a sunny location during the fall and spring months. Thin out plants to about 10 inches apart. Lovely as cut flowers. Height 2½ to 3 feet. Excellent bedding and border plants. They will carry through the hot summer months if cut back and given high shade. We offer named varieties:

SHASTA—Pure white.

DEFIANCE—Dazzling scarlet.

YELLOW JACKET—Deep yellow.

BRONZE HARMONY—Terra cotta orange.

BRILLIANT ROSE—True rose-pink.

WALLFLOWER RED—Pure wallflower red.

Each color: Pkt. 20c.

LIEFGREEN'S SPECIAL MIXTURE TALL GIANT FLOWERING SNAPDRAGON—A well balanced mixture of the above colors and many others. Pkt. 15c.

SEMI-DWARF SNAPDRAGON

LIEFGREEN'S SEMI-DWARF VARIETIES MIXED—Height about 15 inches. Equally as lovely as the tall snaps. All colors, mixed only. Pkt. 20c.

PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnyard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

STEELE'S GIANT MASTODON JUMBO MIXED

This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$2.25, 1/8 oz. \$3.50, 1/4 oz. \$6.00.

GIANT SUPER MAPLE LEAF MIXED

One of the largest pansies grown. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

LIEFGREEN'S SPECIAL LARGE FLOWERED SWISS GIANTS

Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1/16 oz. \$1.50, 1/8 oz. \$2.50, 1/4 oz. \$4.00.

LIEFGREEN'S FINE MIXED PANSY

Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, 1/8 oz. \$1.50, 1/4 oz. \$2.50.



VERBENA

Liegreen's Beautiful VERBENAS HYBRIDA GIANTS

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

Giant Scarlet—Very large bright red.

Giant Beauty of Oxford Hybrid—Brilliant rose shades.

Giant Salmon Pink—Huge pink clusters.

Giant Violacea Stellata—Deep purple with white eye.

Giant Pure White—A giant pure white combining well with all colors.

HYBRIDA GIANTS MIXED—Contains all of the above colors and many others and blended for the proper color values. You will find the giant strains far superior to the old small flowered varieties.

All of the above: Pkt. 15c, 1/8 oz. 60c, 1/4 oz. \$1.00.



PANSY, STEELE'S MASTODON

LIEFGREEN'S FLOWER SEEDS

AGERATUM

MIDGET BLUE—See color illustration, page 24. This is an ideal annual edging for flower beds and for borders. The flowers are fluffy bright azure-blue, growing in clusters and entirely covering the plants. Height about 4 inches. Pkt. 25c, 5 pkts. \$1.00.

BLUE PERFECTION—A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Height 1 ft. Pkt. 10c, 1/4 oz. 35c, oz. 90c.

AFRICAN DAISY

(*Dimorphotheca Aurantiaca*)

One of the best winter flowering annuals. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of blooms. Blooms within six to eight weeks.

NEW ORANGE IMPROVED—Large flowers, bright deep orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

HYBRIDS—Mixed colors ranging from white, light pink, apricot, yellow and orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

ANAGALLIS

Annual. Height about 1 foot. Lovely medium size daisy-like flowers in many brilliant hues, reds and blue predominating. Plant in the open in a sunny location.

MIXED COLORS—Pkt. 10c, 1/4 oz. 25c, oz. 75c.

SWEET ALYSSUM

Invaluable as a border plant. Annual. Plant from early fall to late spring. Blooms within six to eight weeks.

VIOLET QUEEN (NEW)—Dwarf, bright violet. Really beautiful. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 65c, oz. \$1.25.

LITTLE GEM—Dwarf, white; free blooming. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

LILAC QUEEN—Dwarf, deep lavender. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

MIXED SWEET ALYSSUM—A well blended mixture of dwarf varieties. Pkt. 10c, 1/2 oz. 40c, oz. 75c.



GENERAL SOWING HINTS FOR GROWING FLOWERS FROM SEED

LOCATION: Nearly all flowers do well in sunny location. Only a few can be grown in the shade. For flowers blooming in the late spring, high shade from the hot afternoon sun should be provided.

SOIL: Light, rich loamy soil is best suited for flowers. To improve heavy soils and conserve moisture, add peat moss and sand liberally. Spade the soil deeply and make the top 3 or 4 inches as fine and loose and smooth as possible. Well rotted manure worked into the soil before planting may be used if desired.

SOWING THE SEED: Fine seeds should be planted on the surface and a very little soil sprinkled over them, after which they should be pressed firmly to the soil with a board. Medium size seeds may be planted twice the depth of their diameter, or from 1/4 to 1/2 inch deep. Larger seeds, such as sweet peas, should go deeper.

WATERING: After planting, water with a fine spray to avoid washing the soil from the seed. Keep top soil damp—not wet—until germination. When large enough, thin plants from 2 to 12 inches, depending upon the variety. Water plants thoroughly ONLY at intervals—not daily. Watering depends upon the time of year, texture of soil and nature of plant.

FERTILIZER: We recommend the use of an all-purpose commercial fertilizer as a top dressing after the plants are up, to stimulate and properly feed the plants.



*For Concise Planting Directions
and
Information on Flower Seeds
See
Our Complete Planting Charts
Page 34*



Ageratum, Blue Perfection



Alyssum, Violet Queen



Arctotis Hybrids

Please Read Ordering Instructions Below



INDEX

Page	Page	Page	Page
African Daisy	15	Carnation	17
Ageratum	15	Carrots	5
Alfalfa	46	Casaba	8
Alyssum, Sweet	15	Castor Bean	17
Amaranthus	15	Cauliflower	5
Anagallis	15	Celery	5
Anemone	15	Celeriac	5
Antigonon	36	Celosia	17
Antirrhinum	14	Celtuce	5
Ant Poison	39	Centaurea	17
Aquilegia		Chard, Swiss	5
Arctotis	15	Chives	5
Artichokes	3	Chrysanthemum, Annual	18
Asparagus	3, 45	Clarkia	18
Asparagus Fern	15, 36	Clover, White	46
Asters	15	Cobaea, Scandens	36
Australian Pea Vine	36	Cockscomb	17
Australian Rye Grass	46	Collards	5
Baby Blue Eyes	21	Columbine	18
Baby's Breath	20	Coreopsis	18
Bachelor's Button	17	Corn, Field	5
Balloon Vine	36	Corn, Pop	5
Balsam	17	Cornflower	17
Balsam Apple	35	Cosmos	18
Bandini Fertilizer	41	Cress	6
Beans	3	Cucumber	6
Beets	4	Cypress Vine	35
Bent Grass	46	Dahlia	18
Bermuda Grass	46	Daisy	18
Blackberries	45	Delphinium	18
Blue Grass	46	Dianthus	19
Blue Lace Flower	19	Didiscus	19
Boysenberry	45	Digitalis	19
Broccoli	4	Dimorphotheca	15
Brome Grass	46	Egg Plant	6
Brussels Sprouts	4	Endive	6
Browallia	15	End-O-Pest	44
Cabbage	4	Eschscholtzia	31
Cactus	17	Euphorbia	19
Calendula	17	Evening Scented Stocks	19
California Poppy	31	Everlasting Peas	20
Callopis	17	Fertilizers	41-43
Cantaloupe	8	Forget-Me-Not	19
Candytuft	17	Four o'Clock	19
Cane	46	Fruitone	11
Canna	17		
Canterbury Bells	17		
Cardinal Climber	36		
		Gaillardia	19
		Garden Supplies	39
		Garlic	6
		Geranium	19
		Gerbera	19
		Geum	20
		Godetia	20
		Gomphrena	32
		Gourds	32
		Grains	46
		Grasses	46
		Gypsophila	20
		Hegari	46
		Helichrysum	32
		Heliotrope	20
		Herbs	6
		Hollyhocks	20
		Hotents	9
		Hunnemannia	20
		Hyacinth Bean	36
		Ice Plant	20
		Insecticides	42, 44
		Japanese Hop	36
		Kale	6
		Kochia	20
		Kohl Rabi	6
		Kudsu Vine	36
		Lantana	20
		Larkspur	21
		Lawn Grass	46
		Leek	7
		Lettuce	7
		Linaria	20
		Linum	20
		Lobelia	20
		Loganberries	45
		Lo-Temp	44
		Lupine	21
		Madeira Vine	36
		Marigold	22
		Meadow Fescue	46
		Melilotus Alba	46
		Melilotus Indica	46
		Melons, Water	8
		Mesembryanthemum	20
		Mignonette	21
		Mile a Minute	36
		Milo Maize	46
		Moonflower	36
		Morning Glory	36
		Mustard	9
		Nasturtium	21
		Nemesia	21
		Nemophila	21
		Nicotiana	21
		Nierembergia	22
		Nigella	21
		Okra	9
		Parsnip	9
		Passion Vine	36
		Peanuts	10
		Peas, Garden	10
		Peas, Field	46
		Peat Moss	39
		Pepper	10
		Petunia	28
		Phlox	22
		Poppy	31
		Portulaca	31
		Pumpkin	10
		Pyrethrum	29
		Queen Anne's Lace Flower	29
		Queen's Wreath	36
		Radish	11
		Ranunculus Seed	29
		Red Top Grass	46
		Rhubarb	45
		Ricinus	17
		Roach Control	39
		Rutabaga	12
		Rye	46
		Rye Grass	46
		Salpiglossis	29
		Salsify	11
		Salvia	29
		Scabiosa	29
		Schizanthus	29
		Seaside Bent Grass	46
		Sesbania	46
		Shasta Daisy	18
		Snapdragon	14
		Spinach	11
		Sprayers	39
		Squash	11
		Statice	32
		Stocks	31
		Strawberries	45
		Strawflowers	32
		Sudan Grass	46
		Sunflower	32, 46
		Sweet Peas	35
		Sweet William	32
		Sweet Potato Plants	45
		Sweet Sultan	17
		Swiss Chard	5
		Timothy Grass	46
		Tithonia	32
		Tomato	12
		Transplantone	33
		Transvaal Daisy	19
		Turnip	12
		Vegetable Plants	45
		Venidium	33
		Verbena	14, 33
		Vetch	46
		Vigoro	43
		Vinca	33
		Vines	36
		Viola	33
		Virginian Stocks	33
		Wallflower	33
		Wild Cucumber	36
		Wildflower Mixture	33
		Xeranthemum	32
		Youngberries	45
		Zinnia	26-27

COMPLETE PLANTING CHARTS . . . See Pages 34, 37, 38 and 47
FOR NUMBER OF PLANTS PER ACRE . . . See Page 38

Colorful Spring Flowers Beautify the Home



BACHELOR BUTTON or CORNFLOWER (Double)

(*Centaurea Cyanus*) Hardy annual requiring little care. Height 12 to 14 inches. Nice as a cut flower alone or in mixed bouquets.

FLORIST'S BLUE—Large flowers, bright deep blue. Pkt. 10c, oz. 60c.

MIXED COLORS—Light and dark blues, white, rose pink and light red shades. Pkt. 10c, oz. 60c.

BALSAM

(*Lady Slipper*) Tender annual used for beds and borders. Height about 2 feet. Camellia-like flowers. Plant in semi-shade during the spring months.

MIXED COLORS—Pkt. 10c, 1/4 oz. 30c, oz. 75c.

BROWALLIA

ELATA BLUE—Very free flowering half hardy annual. Flowers are a unique amethyst blue; height 18 inches. Excellent for bedding or cutting. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

CACTUS

Cactus seed should be planted during the spring and summer months in natural desert soil or a mixture of sand, fine silt and leaf mold. Seed should be planted shallow and kept slightly moist until germination, then watered sparingly.

MIXED VARIETIES—Including many rare sorts. Pkt. 25c, 5 pkts. \$1.00.

CALENDULA

(*Pot Marigold*) One of the most popular and showiest of the winter and spring blooming flowers. Used for beds, borders and cut flowers. Plant from September throughout the winter and early spring months. Height about 12 to 18 inches. Thin to 12 inches apart.

CAMPFIRE SENSATION IMPROVED—Extra large, deep orange with scarlet sheen. See color illustration, page 24. Pkt. 15c, 1/4 oz. 30c, oz. 90c.

CHRYSANTHA FLOWERED—Resembling a chrysanthemum in an exquisite buttercup yellow. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

ORANGE SHAGGY—Petals deeply fringed and overlapping. Bright orange. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

ORANGE KING—Deep orange red with dark center. Large flowers. Pkt. 10c, oz. 40c.

LEMON QUEEN—Rich clear lemon yellow with dark center. Large flowers. Pkt. 10c, oz. 45c.

APRICOT QUEEN—Soft apricot shaded orange, dark center. Large flowers. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

DOUBLE MIXED CALENDULAS—Large flowers, long-stemmed varieties and colors. Pkt. 10c, oz. 40c.

CALLIOPSIS

Showy and beautiful free-flowering annual thriving in most any location except complete shade. Have a long blooming period and make lovely bouquets. Plant from September to May. Height 2 to 3 feet.

BI-COLOR DWARF MIXED—Yellow with dark center. Pkt. 10c, oz. 45c.

CANDYTUFT

A hardy annual producing large flower clusters resembling hyacinths. Plant during the fall, winter and early spring months. Height 12 to 18 inches. Fine for borders or cutting.

UMBELLATA MIXED—Pkt. 10c, oz. 40c.

GIANT WHITE HYACINTH FLOWERED—A giant Candytuft bearing immense snowy white spikes, which often measure 10 inches or more. Don't fail to give this a trial. Pkt. 10c, 1/2 oz. 60c, oz. \$1.00.

CANNA

CROZY'S MIXED—A wide range of colors. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

CANTERBURY BELLS

Generally a biennial but will bloom in Arizona the first spring if planted early in the fall months. Large bell-shaped flowers on strong growing plants. An old favorite. Height 2 ft. **Mixed colors:** Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

CASTOR BEAN

(*Ricinus*) Tall, tree-like, excellent for quick shade. Annual. Very ornamental with large attractive leaves, producing a beautiful tropical effect. Height 6 to 8 feet. Plant in spring and early summer months. Pkt. 10c, oz. 20c, 1/4 lb. 60c.

SWEET SULTAN

CENTAUREA MOSCHATOS—The large thistle-like blossoms are a well known favorite growing to a height of 2 1/2 feet. Colors range from deep lavender, rose, pink, yellow and white. Plant in the open during the fall months. **Mixed Colors:** Pkt. 10c, 1/4 oz. 30c, oz. 90c.



Candytuft, Giant Hyacinth Flowered



Calendula, Chrysanthemum

CARNATION

Plant from September until April. Cover seed lightly and protect until established. Transplant to about 12 inches apart. Perennial. Plant in semi-shade during the summer months. Height about 18 inches.

MARGUERITE MIXED—Flowers mostly double in an excellent range of colors. Pkt. 10c, 1/4 oz. 50c, oz. \$1.75.

CHABAUD'S GIANT FLOWERING IMPROVED

—A magnificent strain and one of the largest carnations grown. Ten to 20 stalks to the plant. About 95 per cent double. Height 19 to 24 inches. Pkt. 20c, 1/8 oz. \$1.00, 1/4 oz. \$1.75.

CELOSIA PLUMOSA

(Feathered Cockscomb)

Tall feathered plumes 2 ft. or more in height. Very decorative for summer beds or borders.

Mixed Only—Colors range from clear yellow to deepest blood red. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

CELOSIA

(Crested Cockscomb)

CELOSIA CRISTATA—Showy, sun-loving annuals. Sow seed in the early spring after frost period. Transplant or thin to 10 inches apart. Produce ornamental plants with magnificent combs of velvety flowers.

TALL MIXED—Shades of red, pink, and yellow, about 18 in. high. Pkt. 10c, 1/4 oz. 30c, oz. 90c.

TALL CRIMSON—Brilliant velvety crimson combs on stems 2 ft. tall. Pkt. 10c, 1/4 oz. 30c, oz. 90c.

EMPERESS—Dwarf rich crimson about 1 foot high. Dark foliage. Pkt. 15c, 1/8 oz. 35c, oz. \$1.75.

CELOSIA CHILDSI

(Chinese Woolflower)

Flowers resemble huge balls of wool. Plant in early spring in a sunny situation. When cut and hung to dry make unusual everlasting flowers. Height 3 feet.

MIXED COLORS—Include crimson, pink, rose and yellow. Pkt. 10c, 1/8 oz. 30c, 1/4 oz. 50c.



Carnation, Chabaud's Giant

Showy Flowers Make Beautiful Gardens



Cosmos, Sensation Dazzler

CHRYSANTHEMUM (Annual)

Plant seed during the spring months and disbud for large blooms.

SINGLE and DOUBLE MIXED — Many bright shades and varieties. Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c.

CLARKIA

A hardy annual very popular as it thrives well in semi-shady locations. Handsome flowers on leafy stems—nice for beds or cutting. Height 18 inches. Plant in the fall or early spring.

SINGLE AND DOUBLE MIXED — Many colors ranging from bright crimson, orange, salmon, pink and purple. Pkt. 10c, $\frac{1}{4}$ oz. 35c, oz. \$1.00.

COLUMBINE

(*Aquilegia*) Plant in semi-shade during the fall and winter months. Will make vigorous plants with delicate lacy-like foliage and bloom abundantly the following spring. Perennial. Height about 2 to 3 feet.

LONG-SPURRED HYBRIDS — A superb strain producing very beautiful large flowers in all shades of blue, lavender, yellow, rose and white. Mixed colors: Pkt. 15c, $\frac{1}{16}$ oz. 40c.

COREOPSIS

Plant seed during the fall and winter months in any location except all shade. The lovely golden yellow flowers have a long blooming period throughout the spring and early summer months. Height 2 ft. Nice for cutting. Perennial.

NEW DOUBLE SUNBURST — Large double flowers. Very bright and showy. Pkt. 10c, $\frac{1}{2}$ oz. 75c.

ARIZONA SUNBEAM — Very large golden flowers. Single. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c.

COSMOS

For a lovely garden during the summer and fall months, plant both early and late varieties of Cosmos throughout the spring and early summer months. Very graceful finely cut foliage with large, long-stemmed flowers. Plants are bushy, ranging from 5 to 8 feet high. Height may be controlled by pinching out center bud. Effective in any situation and make lovely cut flowers. Blooms within 8 to 10 weeks. Annual.

Early Double Crested

Flowers large and mostly double with a crest of narrow petals in the center. Mixed colors: Pkt. 15c, $\frac{1}{8}$ oz. 40c, $\frac{1}{4}$ oz. 75c, $\frac{1}{2}$ oz. \$1.25.

Orange Yellow Cosmos

EARLY KLONDIKE ORANGE FLARE — Bright orange. Blooms very early. Dwarf. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.



Clarkia, Elegans



Coreopsis, Double Sunburst

DAISIES

Not all Daisies look alike, for in this group are some of the finest garden flowers. Easy to grow, sure to bloom and dependable for bouquets for a long time each summer. See also Arctotis and Dimorphotheca, for winter bloom.

Double Daisy

(*Bellis Perennis*) Plant early in the fall for early spring blooms at which time it blossoms freely. Nice for borders as it grows only 4 to 5 inches high.

MIXED COLORS — Pkt. 20c.

Shasta Daisy

A perennial which may be planted from early fall until late spring. Does well in any situation except complete shade. Valuable for bedding and borders and makes a lovely cut flower. Glistening white petals with yellow center.

ALASKA — The best large flowered single variety. Long, strong stems. Pkt. 10c, $\frac{1}{8}$ oz. 40c, $\frac{1}{4}$ oz. 65c.

GIANT DOUBLE (DIENER'S STRAIN) — Very large and about 80 per cent very double, resembling a delicate shaggy chrysanthemum. New and unusual. Pkt. 25c.

Painted Daisy

(Annual Chrysanthemum) Daisy-like flowers are varied and many colored. Large blooms on long stems, making them particularly valuable for cut flowers. Plant during the fall months. Height to about 2½ feet. All colors mixed: Pkt. 10c, oz. 45c.



Long Spurred Columbine

DELPHINIUM

(Perennial Larkspur) Tall spikes heavily flowered. Sow seed during the early fall months in the open where they will receive high shade during the flowering period. Height 3 feet.

BELLAMOSUM — A deep royal blue. Pkt. 15c, $\frac{1}{8}$ oz. 45c.

GOLD MEDAL HYBRIDS — A mixture of lovely blues, lavender and mauve shades. See color illustration page 25. Pkt. 15c, $\frac{1}{8}$ oz. 30c.

Flowers Have a Place in Your Victory Garden



DIANTHUS

(Chinese Pinks) Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the fall in rows where plants are to remain. Thin to 8 inches apart.

HEDDEWIGI DOUBLE MIXED—All colors in scarlet, pink, and white. Pkt. 10c.

HEDDEWIGI SINGLE MIXED—Fine selection of colors. Pkt. 10c.

BLUE LACE FLOWER

DIDISCUS COERULEUS—An annual about 18 inches high. Beautiful clusters of light blue flowers resembling lace, on long stems. Plant in the open where plants are to remain. Easily grown although seed germinates slowly. Keep damp, use a light mulch on top soil. Pkt. 10c.

DIGITALIS

(Foxglove) Particularly adapted to the higher altitudes but will do well in warmer climates when planted in partial shade. Tall growing plants with very showy blooms. Annual.

FINEST MIXED—Salmon, yellow, purple, rose and white with blotted throats. Pkt. 10c.

EUPHORBIA

Strong growing annual about 2 feet in height. The flowers are small. Grown particularly for its very ornamental foliage.

VARIEGATA (SNOW ON THE MOUNTAIN)—Leaves heavily margined white. Pkt. 10c.

HETEROPHYLLA (ANNUAL POINSETTIA or MEXICAN FIRE PLANT)—Bushy plant growing to a height of 3 feet. In mid-summer center of leaves turn scarlet giving the general effect of the poinsettia. Pkt. 10c.

EVENING SCENTED STOCKS

A delightful free-flowering annual, 6 to 8 inches in height. Flowers are purple and are noted for their fragrance emitted during the evening. Plant during fall and winter months. Pkt. 10c.



Dianthus, Hedgewigi Single Mixed

FORGET-ME-NOT

(Myosotis) Small blue star-like flowers in clusters. Plant in the early spring months and transplant to a cool, damp location. Annual. Height 1 foot. Pkt. 20c.

FOUR O'CLOCK

(Marvel of Peru) Symmetrical bushes growing to a height of 2 feet and bearing red, yellow or white flowers. Plant during the early spring months. All colors mixed: Pkt. 10c, oz. 30c.

GERANIUM

Geraniums will bloom the first year from seed if planted early in the fall. Our mixture contains numerous shades of color, including many of the newest sorts. Pkt. 25c.

TRANSVAAL DAISY

GERBERA JAMESONII HYBRIDS—Large daisy-like blossoms with flower stems rising to a height of about 2 feet. Colors range from white to crimson, pink, yellow and lilac shades. Start carefully under a light mulch in a sandy, well-drained soil. Pkt. 25c.

GAILLARDIA

Effective and valuable summer flowering plants for bedding, borders and for cutting. Sow seed from early fall on through the spring months for a succession of blooms throughout the spring and summer months. Height 1½ ft.

SINGLE AND DOUBLE MIXED—Very large flowers in splendid combinations of crimson, red, yellow and gold. Perennial. Pkt. 10c, ¼ oz. 25c.

THE DAZZLER—Perennial. A vivid orange red with outer edge of petals a golden yellow. Very large. See color illustration page 24. Pkt. 15c, ¼ oz. 50c.

INDIAN CHIEF—Large flowered and single. Metallic bronzy red with mahogany-brown center. Annual. Pkt. 15c, ¼ oz. 25c.



Transvaal Daisies, Jamsoni Hybrids

Easily Grown Showy Flowers

FOR SUMMER

Cockscomb	Nasturtium
Gaillardia	Sunflower
Hollyhock	Verbena
Marigold	Zinnia

FOR WINTER

African Daisy	Petunia
Calendula	Poppies
Candytuft	Snapdragons
Larkspur	Stocks



Shasta Daisies



Dahlia, Unwin's Dwarf Hybrids



All Flower Seeds Are Shipped Postpaid



Godetia, Tall Double

GEUM

Plant seed in the spring for a long blooming period during the summer months. Flowers in small clusters on long strong stems. Perennial.

MRS. BRADSHAW—Dble. Bright red. Pkt. 15c.

MIXED VARIETIES—Orange, red and yellow shades. Pkt. 15c.

GODETIA

Very lovely annual plants specially suited for semi-shady locations. The flowers are bright and colorful somewhat resembling the Azalea in form. Stems are long, making them valuable for cut flowers.

TALL DOUBLE MIXED—Many colors including crimson, salmon, pink and white. Pkt. 10c., 1/4 oz. .30c.

GYPSOPHILA

(Baby Breath) The light feathery sprays of tiny flowers are very popular for mixing with other flowers. Sow seed during the fall months where they are to remain. Height about 18 inches.

ELEGANS GRANDIFLORA—Pure white. Pkt. 10c., oz. 35c.

ELEGANS CARMINE—A beautiful deep carmine in color. Pkt. 10c., oz. 60c.



Hollyhock, Indian Spring

HELIOTROPE

Small flowers but very fragrant. Forms a large plant 4 to 8 feet high and requires a roomy situation. Plant during the early spring months.

DARK BLUE—Pkt. 25c.

HOLLYHOCKS

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers rise to a height of 6 to 7 feet. Seed sown in the fall will bloom throughout the following season.

MIXED—Selected seed from the most choice double flowers in all colors. Mixed: Pkt. 10c., 1/4 oz. 60c.

HOLLYHOCK INDIAN SPRING—Silver Medal, All-America Selection, 1939. Semi-double flowers of bright rose and rosy carmine. Pkt. 15c., 1/4 oz. 65c.

LOBELIA

CRYSTAL PALACE—Plants very compact profusely covered with rich blue flowers. Height 4 inches. Excellent border plant. Sow seed during the fall months. Pkt. 15c.



Lobelia, Crystal Palace



Gypsophila elegans grandiflora

HUNNEMANNIA

(Mexican or Giant Yellow Tulip Poppy) Height 2 feet. Bushy perennial, having a long blooming period. Similar to the California Poppy but of a lighter canary yellow. Nice for cutting.

SUNLITE—Gorgeous semi-double. Clear bright yellow. Pkt. 15c., 1/4 oz. 50c.

GIANT SINGLE—Magnificent golden yellow flowers with orange anthers. Pkt. 10c., 1/4 oz. 25c.

ICE PLANT

(*Mesembryanthemum Crystallinum*) This variety is grown for its glistening foliage. Leaves large, fleshy and covered with glistening dots. Height 8 inches. Plant fall and spring. Pkt. 10c.

BURNING BUSH

KOCHIA CHILDSSI (Summer Cypress)—A highly ornamental annual plant having a cypress-like appearance. A bright green until autumn when it turns to a bright red from which it gets two other names, "Mexican Fire Plant" and "Burning Bush". Plant during the spring months. Pkt. 10c., oz. 30c.

LANTANA

Perennial—Grows only 2 to 3 feet high but bears a profusion of verbena-like flowers in a wide range of gorgeous colors. Is cut back by frost but renewes its runners each year, becoming more luxuriant each year. Plant through spring and early summer months.

Mixed Colors—Pkt. 10c., 1/4 oz. 50c.

LINARIA

(Baby Snapdragons) Pretty annuals—attractive in beds and as cut flowers. Plant through the fall and early spring months. Height 2 feet.

MIXED—Include blue, rose, lavender, yellow, etc. Pkt. 10c., 1/2 oz. 40c., oz. 75c.

LINUM

(Scarlet Flax) A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds and borders and is largely used for mass display. Plant in the early fall; also early spring. Height 1 1/2 to 3 feet. Pkt. 10c., oz. 50c.

PERENNE (BLUE FLAX)—Like Scarlet Flax but producing a profusion of deep blue flowers. Pkt. 10c.

EVERLASTING PEA

LATHYRUS LATIFOLIUS, Fine Mixed—A hardy perennial climber of great beauty with elegant sweet pea-like flowers in great profusion; height 6 to 8 feet. Pkt. 10c., 1/2 oz. 60c., oz. \$1.00.



Geum, Mrs. Bradshaw



Nicotiana



Nemnesia



Larkspur, Giant Imperials

LARKSPUR

Few annuals in our gardens equal the Larkspurs in usefulness and charm. The double stock flowered strains are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of blooms over a long period during the spring months. Sow seed in the open during the fall months.

LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED

Light Blue	Lilac
Dark Blue	White
Rose	Lustrous Carmine

Each color: Pkt. 10c., 1/4 oz. 35c., oz. \$1.00.

Giant Stock Flowered Mixed—All above colors in a grand mixture. Pkt. 10c., 1/4 oz. 30c., oz. 90c.

LIEFGREEN'S GIANT IMPERIAL LARKSPURS

A superior strain, upright in habit, branching from the base. Very double. See color illustration page 25.

Superb Mixed—All colors. Pkt. 15c., 1/4 oz. 35c., 1/2 oz. 60c., oz. \$1.00.



Nasturtium, Glorious Gleam Hybrids

LUPIN

Exceedingly attractive annual and easily grown. The handsome spikes covered with a profusion of blooms grow to a height of 2 to 3 ft. Plant during the fall, winter and spring months. Thin to about 12 inches apart. Semishade.

HARTWEGI—Dark blue, Roseous pink and Mixed colors. Each: Pkt. 10c., oz. 50c.

MIGNONETTE

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the fall, winter and spring months.

GIANT MACHET, Mixed—Pkt. 10c.

NEMESIA

A very pretty and effective annual 1 foot high, used for beds and borders and edging. The flowers resemble a miniature snapdragon and have a color range of rose, yellow, orange, blue, etc.

MIXED COLORS—Pkt. 15c.

NEMOPHILA

(Baby Blue Eyes) Nice for carpet bedding, growing about 6 inches high. Blossoms cup-shaped.

IN SIGNIS BLUE—Pkt. 10c., oz. 40c.

NICOTIANA

(Flowering Tobacco) A hardy annual growing 3 to 4 feet high and of branching habit. The plants are covered with slender tubular flowers all summer. They may be used as a background or as single specimens. Popular for its evening fragrance.

SANDERAE MIXED—A new, large, flowering type with various bright colored blossoms. Pkt. 10c.

NIGELLA

Hardy annual 1 foot high, oddly shaped blossoms, elegant foliage. Sow during fall and winter months.

MISS JEKYLL—A long-stemmed sort with beautiful cornflower-blue blossoms. Pkt. 10c., 1/2 oz. 40c., oz. 75c.

NASTURTIUMS

Plant in February and March for spring flowers and early in the fall in protected places for fall blooming. Nasturtiums prefer dry, rather rocky soils such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich soil, where they run too much to foliage.

Semi-Double Sweet-Scented Nasturtiums

SCARLET GLEAM—Bright red extra large flowers. Bush type which throw out runners averaging 12 to 18 inches. Pkt. 10c., oz. 35c.

GOLDEN GLEAM—Like Scarlet Gleam but of an attractive bright golden yellow color. Pkt. 10c., oz. 35c.

GLORIOUS GLEAM HYBRIDS—Same habit and growth as Golden Gleam and Scarlet Gleam. A glorious assortment of brilliant shades. Pkt. 10c., oz. 35c.

Single Nasturtiums

LIEFGREEN'S SPECIAL TALL SINGLE MIXED—All single flowers, unusually large. Mixture contains many new colors and varieties as well as the old-fashioned ones. Pkt. 10c., oz. 25c.

LIEFGREEN'S SPECIAL DWARF SINGLE MIXED—Compact plants entirely without range as the Tall sort. Pkt. 10c., oz. 25c.

DWARF DOUBLE GEM MIXTURE—Ideal annual for borders and edging use. The plants are truly dwarf and compact. The flowers are of good size, sweet-scented and semi-double. Colors include all shades and many spotted varieties. Pkt. 15c., oz. 35c.

Marigolds . . . for Showy Summer Flowers



Marigold, Gigantea Sunset Giants

NIEREMBERGIA

(Hippomanica) Plants form a dense mat, 6 inches high, 1 foot or more across, and are thickly covered with beautiful lavender blue cup-shaped flowers. Plant during the fall and winter months. Highly recommended. Pkt. 25c.

PURPLE ROBE—New improvement with deep non-fading flowers. Same compact low growth, fully as free-blooming. Excellent for edging the flower border. Pkt. 25c.

ANNUAL PHLOX

Phlox Drummondii

Large verbena-like flower growing in clusters on long strong stems. Compact plant. Fine for bedding, borders and cut flowers. Plant in the open in the fall and winter months for a gorgeous display of bloom during the spring months.

GIGANTEA ART SHADES, MIXED—Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 18 inches. Mixed colors. Pkt. 15c, 1/8 oz. 65c, 1/4 oz. \$2.00.

**Protect Your Flowers with
END-O-PEST**
See Page 44

ALL FLOWER SEEDS SENT
POSTPAID



Phlox Drummondii



Marigold, Pot O'Gold

MARIGOLDS

Tall and Dwarf, Provide Brilliance of Color all Summer

The African and French Marigolds supply a profusion of gorgeous blooms throughout the summer and fall months. Sow seed during early spring and summer months in a sunny exposure, preferably in light soil. Cover seed about 1/8 inch deep and thin up to 10 or 12 inches apart.

AFRICAN MARIGOLDS

Produce their large flowers on long tall stems standing erect on the plant which attains a height of 18 inches to 2 1/2 feet. Make splendid cut flowers.

TALL AFRICAN DOUBLE ORANGE—Very large golden orange flowers. Pkt. 15c, 1/8 oz. 30c, 1/4 oz. 55c, oz. \$1.60.

TALL AFRICAN DOUBLE LEMON—Very large bright clear yellow flowers. Pkt. 15c, 1/8 oz. 30c, 1/4 oz. 55c, oz. \$1.60.

TALL AFRICAN DOUBLE MIXED—The above colors mixed. Pkt. 10c, 1/4 oz. 50c, oz. \$1.50.

GUINEA GOLD—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color is a brilliant golden orange. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

GIGANTEA SUNSET GIANTS MIXED—Flowers are loosely formed with the heavy petals gracefully overlapping. Gigantic in size with a color range of deep orange through all shades of yellow. Very tall. Pkt. 15c, 1/4 oz. 45c, oz. \$1.25.

MARIGOLD, GOLDSMITH—See color illustration page 25. Giant chrysanthemum-flowered golden orange, base branching and with good stems for cutting. Full double flowers on strong bushy plants of from 2 to 4 feet in uniform height. Early and free-blooming. Pkt. 15c, 1/4 oz. 65c.

GIGANTEA POT OF GOLD, DWARF—10 to 12 inches. Early flowering, producing a mass of intense dazzling orange flowers, of immense size. Pkt. 20c, 1/8 oz. 40c, 1/4 oz. 75c.

FRENCH MARIGOLDS

The French Marigolds are used principally for beds and borders. The individual plants are spreading in habit and are covered continuously with a mass of gorgeous blooms throughout the summer and fall months. Height 12 to 14 inches.

DWARF DOUBLE HARMONY HYBRIDS—Flowers medium size with a color range of golden orange, golden yellow, innumerable blotched and striped combinations of golden orange and yellow and maroon contrasting, all with crested centers. Blooms within 75 days. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

DWARF HARMONY—Exquisite blooms with cushion-like centers of fluted, deeply cut golden orange centers surrounded by several rows of reddish brown outer petals. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

DWARF DOUBLE FRENCH MIXED—Many combinations in golden orange, lemon yellow, maroon and mahogany. Pkt. 10c, 1/4 oz. 20c, oz. 50c.

**Use Vigoro for
Lawns, Flowers, Trees and Shrubs**
See Page 43



Nierembergia Hippomanica



Nierembergia, Purple Robe

NIEREMBERGIA PURPLE ROBE

A new development of the popular *Nierembergia hippomanica* with deep purple flowers. Free flowering and very worth while. Pkt. 25c, 5 pkts. \$1.00.

FRENCH MARIGOLDS

The French Marigolds (right) are used principally for beds and borders. The individual plants are spreading in habit and are covered continuously with a mass of gorgeous blooms throughout the summer and fall months. Height 12 to 14 inches.



DELPHINIUM GOLD MEDAL HYBRIDS

Tall stately Delphiniums, with long spikes of double, lovely colored flowers are fine toward the back of the border. These hybrids are among the best. Pkt. 15c, 1/8 oz. 30c, 1/4 oz. 50c.



MARIGOLD, DWARF DOUBLE HARMONY HYBRIDS

Flowers medium size with a color range of golden orange, golden yellow, innumerable blotted and striped combinations of golden orange and yellow and maroon contrasting, all with crested centers. Blooms within 75 days. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.



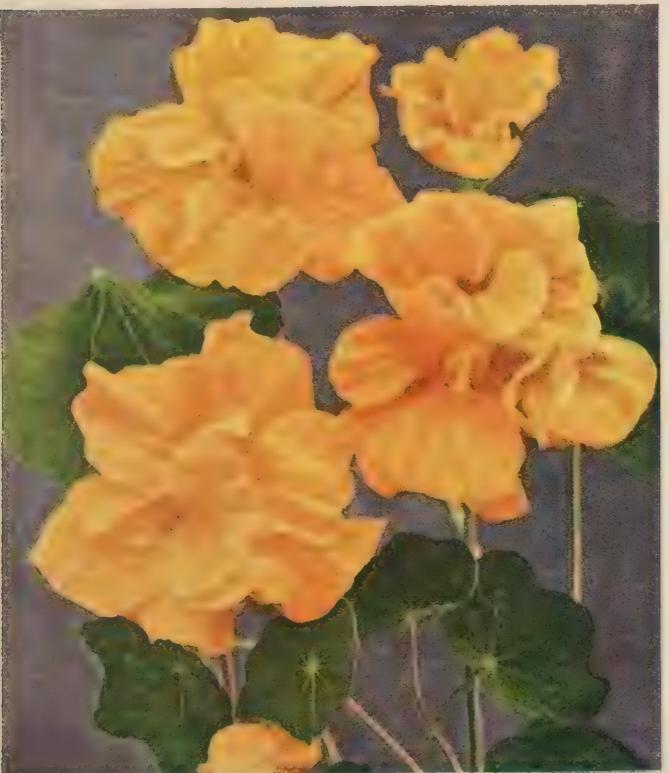
COSMOS, SENSATION DAZZLER

Luscious shade of rich deep velvety maroon. Flowers immense, four inches across with broad heavy fluted petals. Excellent for cutting. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00.



CALENDULA, CAMPFIRE SENSATION IMPROVED

One of the finest winter flowers, for its large showy brilliant orange flowers have excellent form and are fully double. Showy in beds and fine for cutting. Pkt. 15c, 1/4 oz. 35c, oz. 90c.



SEMI-DOUBLE SWEET-SCENTED NASTURTIUMS

SCARLET GLEAM—Bright red extra large flowers. Bush type which throw out runners averaging 12 to 18 inches. Pkt. 10c, oz. 35c.

GOLDEN GLEAM—Like Scarlet Gleam but of an attractive bright golden yellow color. Pkt. 10c, oz. 35c.

GLORIOUS GLEAM HYBRIDS—Same habit and growth as Golden Gleam and Scarlet Gleam. A glorious assortment of brilliant shades. Pkt. 10c, oz. 35c.



ARCTOTIS HYBRIDS MIXED

Flowers in many shades of pink, rose, yellow, etc., with a dark disc in center. A half-hardy annual growing about 1 foot high. Free flowering. Pkt. 15c, 1/16 oz. 60c.



PHLOX, GIGANTEA ART SHADES, MIXED

Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 18 inches. Mixed colors. Pkt. 15c, 1/8 oz. 65c, 1/4 oz. \$2.00.



SCABIOSA, GRANDIFLORA MIXED

The flowers grow on long wiry stems, 2 1/2 feet high, bloom profusely and are a lovely addition to the garden or in bouquets. All colors mixed. Pkt. 10c, 1/4 oz. 30c.



AGERATUM MIDGET BLUE

This very dwarf variety forms very compact plants, freely covered with fluffy blue flowers over a long season. Pkt. 25c, 5 pkts. \$1.00.



MARIGOLD GOLDSMITH

One of the newer Chrysanthemum flowered Marigolds—which are among our showiest summer flowers. Pkt. 25c, 5 pkts. \$1.00.



PORTULACA, DOUBLE MIXED

One of the best low growing plants for dry sunny places. Six inches in height and profuse with its double blooms. Wide color range. Pkt. 20c, 1/8 oz. \$1.25, 1/4 oz. \$2.00.



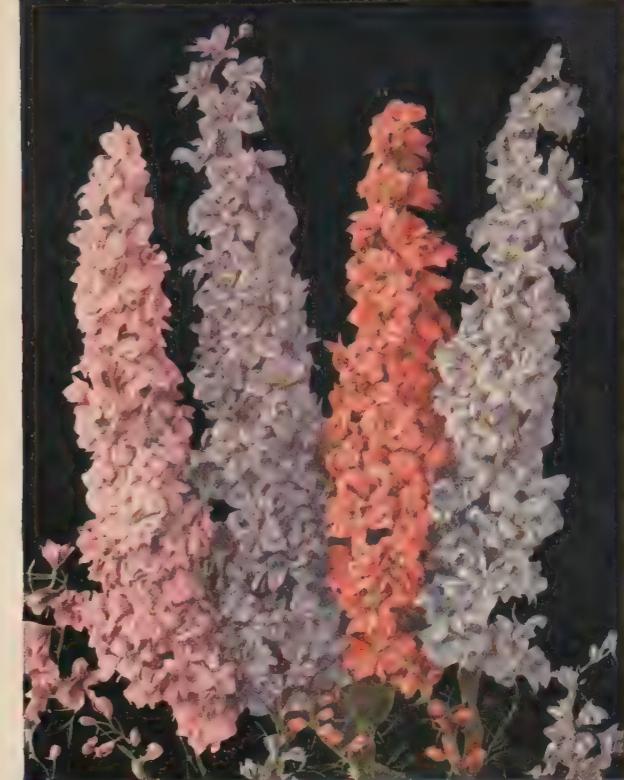
GAILLARDIA, THE DAZZLER

Sunshine and warmth bring out the glory of this vivid flower. Of medium height, the bright golden yellow flowers have orange-red centers. Pkt. 15c.



VINCA ROSEA, PERIWINKLE

Lovely dark glossy green foliage and an abundance of phlox-like flowers in either pink or white. Mixed colors. Pkt. 15c, 1/4 oz. 50c.



LARKSPUR, GIANT IMPERIAL

Showy, free-flowering annuals with finely cut leaves and tall spikes of double flowers. Mixed. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00. See listing page 21



STOCKS, GIANT DOUBLE IMPERIAL

Wonderful new strain, branching in habit, very double florets in great profusion on long, strong stems. Remember the most delicate plants are usually the ones that produce the best double flowers. Mixed. Pkt. 10c, 1/8 oz. 60c, 1/4 oz. \$1.00.

ZINNIAS – Arizona's Most Popular and ZINNIAS



Liefgreen's Gold Medal Dahlia Flowered

Liefgreen's Gold Medal Dahlia Flowered Zinnias

The DAHLIA FLOWERED ZINNIA is the most popular of all the Zinnia types grown. They resemble a Dahlia in appearance, and when in full bloom often measure 5 and 6 inches in diameter. The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, beautifully colored flowers. Excellent for garden show or for cut flowers.

WILL ROGERS—Loveliest and most brilliant scarlet-red.

GOLDEN DAWN—Golden yellow, almost a light orange.

ELDORADO—Salmon apricot in delightful shades.

EXQUISITE—Light rose with deep rose center.

GOLDEN STATE—Yellow orange in bud turning to deep orange.

DREAM—Deep rosy lavender.

POLAR BEAR—A very large pure white.

ILLUMINATION—A deep soft rose.

ORIOLE—An immense orange and gold bicolor.

CRIMSON MONARCH—Deep crimson. Flowers very large.

CANARY BIRD—Delicate primrose yellow.

PURPLE PRINCE—Dark purple.

Each Color: Pkt. 15c, ¼ oz. 50c, ½ oz. 80c, oz. \$1.50.

LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE—A blend of the very best types of Dahlia Flowered Zinnias. Pkt. 10c, ¼ oz. 35c, ½ oz. 65c, oz. \$1.25.

COLLECTION — The entire collection of 12 Dahlia Flowered Zinnias. Value \$1.80, for \$1.25, postpaid.

75c COLLECTION — 6 15c pkts. 75c, postpaid.

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the summer.

CULTURE—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of our horticultural peat moss or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade as they delight in the full sunshine. Keep the rows free and clean from Bermuda grass and weeds and cultivate and irrigate often. To avoid mildew dust the ground around the plants with dusting sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded.

Zinnia, Super Crown o' Gold, Pastel Tints

(See Back Cover for Illustration)

This new Zinnia has each petal overlaid at the base with deep golden yellow, while carrying out the individual flower color at the tip. It is of immense size—midway between the Dahlia Flowered and Giant Mammoth types. Grows to a height of 3 feet. The new pastel tints are bright, containing a wide range of pastel tints.

MIXED ONLY—Pkt. 15c, ¼ oz. 25c, ½ oz. 45c, 1 oz. \$1.50.

Zinnia Scabiosa Flowered

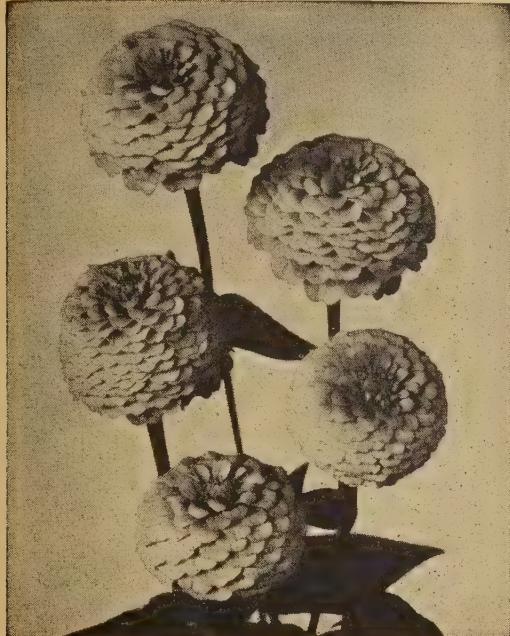
Medium size flowers composed of a row of broad rays or outer petals similar in form to the annual scabiosa surrounding a pincushion mass of smaller petals. About 2½ feet high. Excellent as a cut flower. All the lovely bright shades. **Mixed colors only.** Pkt. 15c, ¼ oz. 45c, oz. \$1.50.



Zinnia, Scabiosa Flowered Mixed

Most Colorful Summer Garden Flowers

LIEFGREEN
SEED CO.



Zinnia, Lilliput Pompon

Lilliput Zinnias, Pastel Mixture

Lovely pastel colors of this miniature zinnia are well worth a place in every garden. Small, about 1 inch across, they are very double. Plant in front part of the summer border. Height 12-18 inches. Pkt. 10c., $\frac{1}{4}$ oz. 35c., oz. \$1.00.

Liegreen's Lilliput Pompon Zinnias

The Lilliput Zinnias are the most popular for cut flowers. The flowers are small, compact and symmetrical in shape, 1 to 1½ inches in diameter, borne in great quantities on neat, compact plants, 18 to 24 inches in height. We offer the most popular of the brilliant shades.

CANARY YELLOW—Bright golden yellow.

WHITE GEM—Pure white.

ORANGE QUEEN—Golden orange.

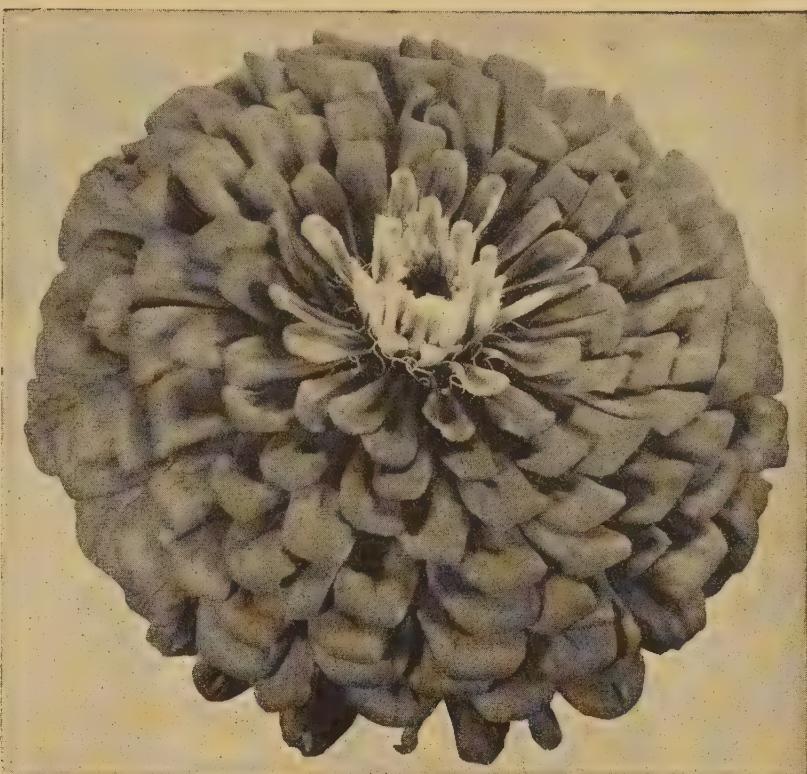
SALMON ROSE—Unique shade of soft rose.

PURPLE—A rich deep purple.

CRIMSON GEM—Beautiful ruby red.

LILLIPUT POMPON MIXED—All bright shades.

Each: Pkt. 10c., $\frac{1}{4}$ oz. 35c., oz. \$1.00.



Arizona Giant Zinnia

Liegreen's Arizona Giant or Mammoth Zinnias

This strain is, in some ways, a companion type to the Dahlia Flowered. The plants are, however, taller than the Dahlia Flowered type, reaching a height of 3 to 4 feet. The flowers are very large and well formed, with smooth topped, graceful appearance, the petals lying flat upon each other. The colors are very bright and clear and altogether it is one of the showiest of the large-flowered Zinnias.

GIANT LEMON QUEEN—Clear bright yellow.

GIANT ORANGE QUEEN—New orange shade, exceptionally bright.

ENCHANTRESS—Light pink, rose center.

SCARLET QUEEN—Glowing deep scarlet.

GIANT PURITY—Large pure white.

GIANT—Lavender gem.

GIANT PURPLE QUEEN—Deep purple.

Each: Pkt. 10c., $\frac{1}{4}$ oz. 40c., oz. \$1.25.

LIEFGREEN'S GIANT MAMMOTH MIXED—Many beautiful colors. Pkt. 10c., $\frac{1}{4}$ oz. 35c., oz. \$1.00.

LILLIPUT ZINNIAS

SPECIAL COLLECTION—Six varieties, one each of the 6 colors listed above. 60c value for 40c, postpaid.

LIEFGREEN'S NOVEL AND INTERESTING TYPES OF ZINNIAS

Dwarf Types of Zinnias

LIEFGREEN'S TOM THUMB ZINNIA—The compact plants of the dainty strain are 6 to 8 inches high and are covered with well formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for borders or for mass planting.

MIXED COLORS ONLY—Pkt. 15c., $\frac{1}{4}$ oz. 60c., oz. \$1.75.

HAAGEANA DOUBLE (MEXICAN HYBRIDS)—Dwarf, plant carrying prettily marked flowers. Nice for bedding and make a brilliant display. Mixture contains many attractive colors and color combinations.

MIXED ONLY—Pkt. 15c., $\frac{1}{4}$ oz. 50c., oz. \$1.50.

ZINNIA LINEARIS—Dwarf single variety. Flowers are small and a lovely shade of golden orange with a delicate lemon yellow stripe through each petal. The flowers are produced in great profusion, literally covering the plant which sometimes has a spread of as much as 2 feet by the end of the season. Pkt. 15c., $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 75c.

SPECIAL COLLECTION
LIEFGREEN'S GIANT OR MAMMOTH ZINNIAS
One each of 7 varieties, value 70c, for 50c
POSTPAID

Fantasy Zinnia (Crested and Curled)

The flowers of this type Zinnia have a graceful informal shaggy appearance. The petals are ruffly, curled and interwoven and are quite distinct from all other types of Zinnias. Flowers are of medium size, 2½ to 3 in., and the plants grow to a height of about 2½ to 3 feet.

FANTASY, WHITE LIGHT—Pure glistening white.

FANTASY, STAR DUST—Rich golden yellow.

FANTASY, ORANGE LADY—Bright deep orange.

FANTASY, ROSALIE—Beautiful shade of intense rose.

FANTASY, WILDFIRE—Rich dazzling scarlet.

Each Color: Pkt. 20c., $\frac{1}{8}$ oz. 25c., $\frac{1}{4}$ oz. 45c., oz. \$1.50.

FANTASY FINEST MIXED—All bright colors. Pkt. 15c., $\frac{1}{4}$ oz. 35c., oz. \$1.25.



PETUNIAS . . . Unexcelled for Beds and Borders



Petunia, All-Double America



Petunia Violacea



Petunia, Rose of Heaven

PETUNIAS

PETUNIAS cannot be equaled for beds and borders. They flower throughout the year even through the hot summer months. Start planting in September and continue through the spring months. Scatter seed thinly on an even well prepared soil and cover lightly with fine silt or sand, pressing firmly with a board so that seed adheres to the soil. A light mulch of barnyard fertilizer or peat moss is beneficial. Thin plants to 8 to 12 inches. Do not over water. Petunias grow from 1 to 1½ feet high, except miniature sorts and the dwarf single bedding types, which attain 8 inches or less.

New and Popular Petunias

ALL-DOUBLE AMERICA—Silver Medal, All-America Selections, 1943. America's first all-double Petunia to be introduced. It is the finest of all new flowers. Plants are compact and uniform, 1 foot high and 1½ feet across. The rose-pink flowers, 2 inches in diameter, fill the plant during fall, winter and spring, even through the summer. Pkt. 50c.

PETUNIA, GIANTS OF CALIFORNIA—Fringed and ruffled. Light and dark colors with attractive deep throats, many beautifully veined. Mixed colors only. Pkt. 25c, 5 pkts. \$1.00.

Petunia Hybrida Grandiflora, Petunia Hybrida Nana Erecta Giant Flowered Dwarf Compact Bedding

VELVET BALL—Plant is ball-shaped and compact. Height 8 inches. Flowers very large and a velvety blood red. Pkt. 25c, 5 pkts. \$1.00.

BURGUNDY—Rich wine red, contrasting white throat. Compact and dwarf. Very large flowers. Pkt. 25c, 5 pkts. \$1.00.

SALMON SUPREME—Soft pastel salmon. Pkt. 25c, 5 pkts. \$1.00.

ROSY MORN IMPROVED—Soft rose, white throat. Pkt. 15c, ½ oz. 75c.

ROSE OF HEAVEN—Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15c, ½ oz. 75c.

BLUE BEDDER—Finest bright mid-blue. Pkt. 15c, ½ oz. 60c.

PLANTING SUGGESTIONS FOR A FLOWER BORDER

The flower border can be a very pleasing and colorful part of the garden. Most everyone has planted solid beds of one kind of flower, such as Zinnias. Other flowers blooming at the same time could be planted with them to offer contrast and variety and to give a wider choice of cut flowers. The dwarfer kinds are placed in the very front either in a continuous row or broken by bold bands of different kinds. Between the front planting and the rear which takes the tallest varieties we place those of intermediate height, always the taller behind the smaller. Choose your favorites from the suggestions below. Gypsophila, Nigella, Queen Anne's Lace, and Shasta Daisies blend their colors into a harmonious border.

For Spring and Summer Gardens

Low

Ageratum
Alyssum
Nasturtium
Petunia
Portulaca
Verbena
Zinnia

Medium

Cockscomb
Gerbera
Kochia
Marigolds
Shasta Daisy
Zinnia

Medium

Gaillardia
Geranium
Lantana
Nicotiana
Vinca

Tall

Castor Beans
Cosmos
Gourds on Supports
Hollyhocks
Morning Glory
on Supports
Sunflower
Tithonia

For Fall and Winter Gardens

Low

Ageratum
Alyssum
Pansy
Petunia
Pinks
Verbena
Virginia Stock
Nemophila

Medium

African Daisy
Bachelor Button
Calendula
Candytuft
Carnation
Clarkia
Columbine
Linum

Lupin
Painted Daisy
Petunia
Phlox
Poppies
Scabiosa
Snapdragon
Stocks

Tall

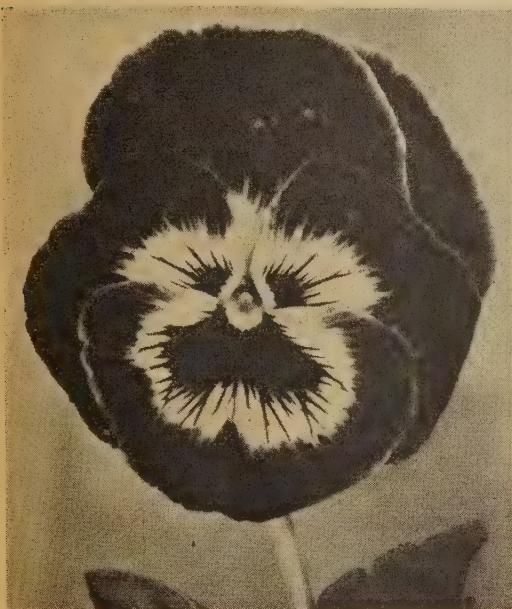
Hollyhock
Larkspur
Snapdragon
Sweet Peas on
Supports



Petunia, Burgundy



All Liefgreen Flower Seeds Are Shipped Postpaid



Salpiglossis Superbissima Mixed

PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barn-yard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

STEELE'S GIANT MASTODON JUMBO MIXED

This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$2.25, 1/8 oz. \$3.50, 1/4 oz. \$6.00.

GIANT SUPER MAPLE LEAF MIXED

One of the largest pansies grown. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

LIEFGREEN'S SPECIAL LARGE FLOWEDED SWISS GIANTS

Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1/16 oz. \$1.50, 1/8 oz. \$2.50, 1/4 oz. \$4.00.

LIEFGREEN'S FINE MIXED PANSY

Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, 1/8 oz. \$1.50, 1/4 oz. \$2.50.

PYRETHRUM

ROSEUM—Large Marguerite-like flowers with fine fern-like foliage. Graceful and long lasting cut flowers. Height 2 ft. Plant during the fall and winter months.

SINGLE MIXED—Pkt. 10c.

Queen Anne's Lace Flower

This hardy annual grows to a height of 3 to 4 feet. The large loosely formed terminal clusters of tiny white flowers are used extensively as cut flowers. Plant during the fall and early winter months. Pkt. 10c, 1/4 oz. 25c.

RANUNCULUS

Full rose-like blooms on strong stems 1 ft. high. Grown from seed or bulbs. Flowers double, semi-double and single in shades of red, orange, gold, pink and white. Plant during the fall months in well drained soil and a sunny location.

MIXED COLORS—Pkt. 10c.

SALVIA

NEW DWARF SCARLET SAGE—The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early spring. Pkt. 25c, 5 pkts. \$1.00.

SCHIZANTHUS

Unique irregular shaped notched and blotched flowers resembling the orchid. Colors are many and varied. Plant in the open during the fall months. Height about 1 ft. Annual. Pkt. 10c.

Liegreen's Flower Planting Chart for the Salt River Valley

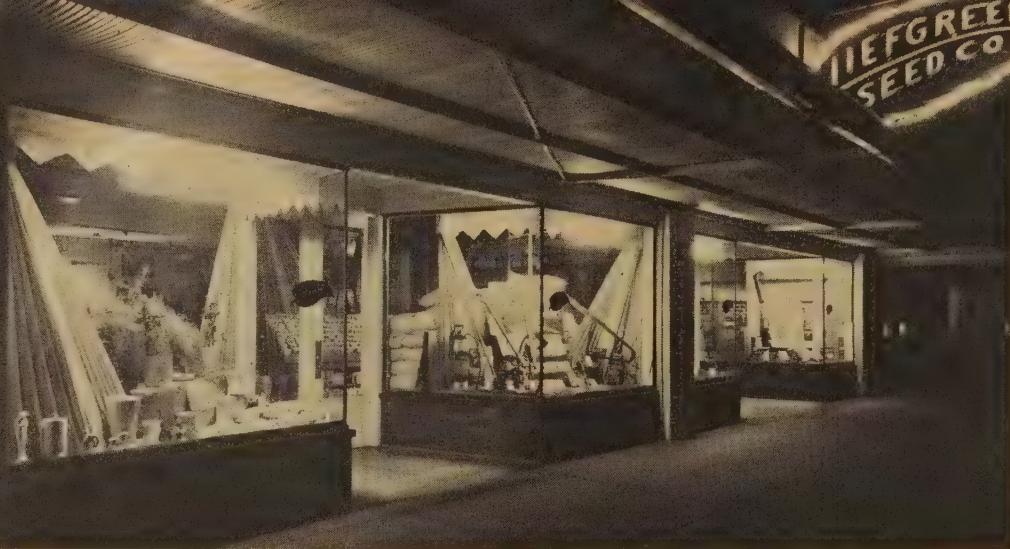
COMPLETE CHECK LIST OF
FLOWER SEEDS—SEE PAGE 34.



Scabiosa

PLANT

Liefgreen's Tried and Tested Seeds



This partial view of our store shows the extensive bins and packet displays of vegetable and flower seeds. We accommodate more than 1000 customers a day here. The displays are changed with the seasons and demand. In the spring vacant space is given to plant displays.

The seed trade throughout the Southwest knows A. W. (Bert) Liefgreen, who owns and operates the company bearing his name.

Mr. Liefgreen has had long experience in the growing and selling of flower, vegetable and field seed, bulbs and plants. He has gained valuable experience in the Salt River Valley where twenty-seven years of residence and close cooperation with growers using irrigation has given him a broad understanding of growing problems. He is keenly interested in problems confronting his customers, so please feel free to question him when necessary.

It has always been the policy of the Liefgreen Seed Company to sell **results**—not just seeds. Hence our slogan Quality Always bears special significance today.

Left—Our new air cooled seed storage house is about one quarter filled as new crop seeds are just arriving. As we go to press this room will be filled to capacity for distribution to Victory Gardens and large scale planters of vegetables.

Right—Daily filled packets of fresh seeds are stored in bins. Contrary to general belief, Liefgreen's Seeds in packets are fresh. You are welcome to inspect our plant anytime to substantiate these facts.



Free Parking at



Drive in, make yourself at home—no confusion, no tickets, no bother.



LIEFGREEN SEED
VEGETABLE-FLOWER-LAWN-FIELD SEEDS
FERTILIZERS-GARDEN TOOLS-LAWN SUPPLIES-INSECTICIDES
FREE PARKING FOR CUSTOMERS

Gay Colorful Poppies – Sweet Scented Stocks



Iceland Poppies

Iceland Poppy

SANFORD'S GIANTS—Undoubtedly one of the best Iceland Poppies. The flowers are immense and borne on long, stiff stems making them excellent for cutting. A beautiful range of colors. Pkt. 20c, $\frac{1}{8}$ oz. 60c, $\frac{1}{4}$ oz. \$1.00.

California Poppies

IMPROVED ORANGE — Very deep golden orange; large cup-shaped flowers. Height about 1 foot. Pkt. 10c, oz. 45c.

BRILLIANT MIXED — A mixture of orange, yellow, pink and white. Makes a beautiful display. Pkt. 10c, oz. 45c.

Arizona Rainbow Poppy

RAINBOW MIXTURE — A mixture of many varieties and brilliant shades including the desert types. Pkt. 10c, oz. 50c.



California Poppies

POPPIES

Probably no flower enjoys a greater popularity than the Poppy. They may be had in many varieties, heights, and brilliant or delicate colors. Seed should be sown in the open during the fall months in a location where the plants are to flower, as they do not transplant easily. Annual.

GLAUCIUM (TULIP FLOWERED) — Flowers vivid scarlet on tall strong stems. Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 40c, oz. 75c.

SHIRLEY POPPY, SINGLE MIXED — Improved large flowering strain of many delicate shades. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.

SHIRLEY POPPY, DOUBLE MIXED — Beautiful begonia-like flowers. All colors. Height about 18 inches. Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 40c, oz. 75c.

SHIRLEY POPPY, WHITE — Pure white, sheer and very lovely. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.



Liefgreen's Double Giant Imperial Stocks

LIEFGREEN'S DOUBLE STOCKS

FRAGRANT STARRY FLOWERS FOR WINTER AND SPRING GARDENS

Sow seeds from September to February

GIANT DOUBLE IMPERIAL — This wonderful new strain of Stocks is branching in habit, very double florets in great profusion on long, strong stems. Sow seed in the fall in the open ground. Thin to 12 inches and remember the most delicate plants are usually the ones that produce the best double flowers. Annual. Height 18 inches to 2 feet.

BLOOD RED

ROSE PINK

CHAMOIS (Ivory)

WHITE

DARK BLUE

GOLDEN ROSE

LAVENDER

YELLOW

Each color: Pkt. 15c, $\frac{1}{8}$ oz. 75c, $\frac{1}{4}$ oz. \$1.25.

GIANT IMPERIAL MIXED — All colors mixed. Pkt. 10c, $\frac{1}{8}$ oz. 60c, $\frac{1}{4}$ oz. \$1.00.

PORTULACA

(Moss Rose) A very showy low growing bedding plant about 6 inches high with fine foliage. Bears a profusion of cup-shaped flowers in brilliant colors of red, orange, yellow, rose, pink and white. Plant during the spring months in a sunny location.

DOUBLE FINEST MIXED — Flowers perfectly double. See color illustration page 25. Pkt. 20c, $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.00.

SINGLE MIXED — Resembles a small wild rose. Pkt. 15c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 95c.

LIEFGREEN'S PEAT MOSS



Peat moss is a valuable soil improver for all gardens. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It is spongy in nature and absorbs ten times its weight in water which it releases to the plants during periods of drought. Use Peat Moss liberally on flower and vegetable gardens and as a top dressing for lawns. Mulch roses, fruit trees and other shrubs to conserve moisture in the soil. A bale of Peat Moss when loosened will cover 700 square feet of soil.

BALE \$5.00, F.O.B. PHOENIX



Shirley Poppy

Strawflowers for Dried Bouquets



Statice Sinuata



Strawflower



Tithonia, Fireball

STRAWFLOWERS (Everlasting)

Strawflowers (Everlasting Flowers) are hardy annuals, bearing beautiful straw-like flowers in various form and many colors. They may be used for fresh cut flowers, or to preserve, cut the first day they open and hang heads down until dry. We offer the most popular varieties:

GOMPHRENA or GLOBE AMARANTH—Sometimes known as Bachelor Button. Very attractive globe-shaped flowers resembling a clover blossom. Plant during the early spring months for summer and fall blooms. Height, 2 feet. Mixed colors. Pkt. 10c.

HELICHRYSUM—Flowers hang like little bells on stems 2½ feet high. Plant during the fall and winter months. Mixed colors. Pkt. 10c.

STATICE SINUATA—Plants grow to a height of 1½ to 2 feet and throw large sprays of tiny flowers. Most popular for the garden and as cut flowers, both fresh and dried. Plant during the fall months. We have this in individual colors:

Blue—Yellow—Rose—Lavender—White
Each: Pkt. 10c, oz. 40c.

Mixed colors: Pkt. 10c, oz. 35c.

STATICE CASPIA—Smaller flowers than Sinuata, same habit. LAVENDER only. Plant during the fall months. Pkt. 15c.

XERANTHEMUM—Attractive flowers resembling a small double sunflower. Height 2' to 3 feet. Color bright rose, purple and white. Very free flowering. Plant during the fall and winter months. Pkt. 10c.

MIXED STRAW FLOWERS—A mixture made up of the various varieties. Pkt. 10c.

SUNFLOWER

(*HELIANTHUS*)

SUNGOLD—Massive bright golden yellow very double flowers on 3 to 4 foot stems. Good foliage, strong stems for cutting. Very striking and showy. See color illustration page 25. Pkt. 10c, ½ oz. 35c, oz. 60c.

DWARF RED SUNFLOWER—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt. 10c, oz. 30c.

SWEET WILLIAM

(*Dianthus Barbatus*) Vigorous free-flowering perennial. Individual florets grow in flat clusters on long stems. Plant large and compact. Colors are crimson, scarlet, pink and white with variations. Plant during the fall months. Height 1 to 1½ feet.

DOUBLE MIXED—Pkt. 10c.

SINGLE MIXED—Pkt. 10c.

TITHONIA SPECIOSA

(MEXICAN SUNFLOWER)

BRIGHT ORANGE—Immensely tall plants with large bright flowers resembling a large double sunflower. Center yellow crested. Plant during the spring months for late summer and fall blooming. Best planted along a fence or building as they grow 6 to 8 feet tall. Pkt. 10c, ¼ oz. 50c.

FIREBALL (*Speciosa Grandiflora*)—This new Tithonia is the same in growth and habit as the Bright Orange except the color is a fiery orange red and blooms somewhat later than the orange. See color illustration page 24. Pkt. 25c, 5 pkts. \$1.00.

ORNAMENTAL GOURDS

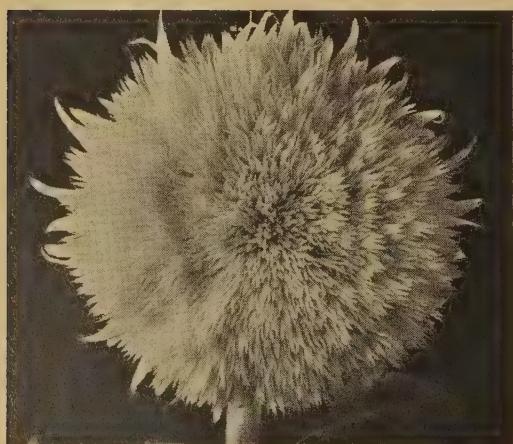
Easily grown in any good garden soil. Plant in the spring after danger from frost. Ornamental on the vine and when well dried and covered with shellac or painted in bright colors, gourds lend themselves to many useful and ornamental purposes. Gourds should remain on the vines until they drop easily, then allowed to cure for a couple of months before decorating.

SMALL VARIETIES MIXED—Many and varied shapes and colors.

LARGE VARIETIES MIXED—All popular large varieties.

LARGE AND SMALL VARIETIES MIXED—As above.

Each: Pkt. 10c, ½ oz. 30c, oz. 50c.



Sunflower, Sungold

All Flower Seeds

Shipped Anywhere in

the U. S. A.

Postpaid



Complete Cultural

Check List

Page 34



Ornamental Gourds

Verbenas for a Show of Color

LIEFGREEN
SEED CO.



Venidium Fastuosum

VENIDIUM

Flowers grow to 4 or 5 inches in diameter on tall stems standing well above the gray-green foliage. Daisy-like with overlapping petals. Center blue-black with a lighter shade ray. Plant in full sun during the fall and winter months. Height 2 feet.

VENIDIUM FASTUOSUM — Orange yellow. Very large and bright. Pkt. 20c, $\frac{1}{8}$ oz. \$1.00.

VENIDIUM HYBRIDS — Mixed shades of apricot, white, salmon, yellow and orange. Pkt. 25c, $\frac{1}{8}$ oz. \$1.00.

VINCA ROSEA

(Periwinkle) Ornamental bush-like plants with dark glossy foliage and handsome free-flowering blossoms in pink and white, like the floret of a very large single phlox. Plant seed in the early spring. Perennial. 16 to 18 inches tall. See color illustration page 24.

MIXED COLORS — Pkt. 15c, $\frac{1}{4}$ oz. 50c.

VIRGINIAN STOCKS

Very attractive hardy annual, producing innumerable bright colored tiny flowers on thin stems and largely grown for beds and borders. Height 6 to 12 inches. Colors: Crimson, Lavender, Rose, Yellow, and White.

MIXED ONLY — Pkt. 10c, $\frac{1}{2}$ oz. 50c.



Virginia Stocks

ARIZONA WILD FLOWER MIXTURE

A fine mixture of many species. They may be planted from early fall to early spring, a longer blooming period resulting from the fall planting. Annuals. Pkt. 10c, oz. \$1.00, $\frac{1}{4}$ lb. \$3.00, lb. \$10.00.

VIOLA

Violas are very much like pansies, though the individual blooms are smaller. They are excellent for bedding, massing or borders as they bloom in great profusion over a long period. Thrive best in a light, rich soil in a semi-shady location. Plant during the fall months. Height 6 inches.

MIXED COLORS — Pkt. 15c.

WALLFLOWER

The velvety single flowers grow in loose clusters on long stems covered with long narrow leaves. The colors are in rich mellow tones of bronze, copper and golden buff. Plants are vigorous and grow to a height of 1 to 1½ feet. Plant during the fall months. Thin to 1 foot.

GOLDEN GEM — Bright golden yellow. Pkt. 10c.

MIXED COLORS — Pkt. 10c.



Verbena, Giant Hybrids

LIEFGREEN'S BEAUTIFUL VERBENAS

Hybrida Giants

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

Giant Scarlet — Very large bright red.

Giant Beauty of Oxford Hybrid — Brilliant rose shades.

Giant Salmon Pink — Huge pink clusters.

Giant Violacea Stellata — Deep purple with white eye.

Giant Pure White — A gigantic pure white combining well with all colors.

HYBRIDA GIANTS MIXED — Contains all of the above colors and many others and blended for the proper color values. You will find the giant strains far superior to the old small flowered varieties.

All of the above: Pkt. 15c, $\frac{1}{8}$ oz. 60c, $\frac{1}{4}$ oz. \$1.00.



Sweet William

WHICH DO YOU WANT?

THIS



OR



The hormones and vitamins (B, and others) found together only in

TRANSPLANTONE

THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. . . . Simple, Safe, Economical to use. $\frac{1}{2}$ oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

Liefgreen's Flower Planting Chart for Arizona Gardens

FOR SALT RIVER VALLEY AND SIMILAR CLIMATES

Botanical and Common Name	Height	Planting Time	Remarks
Ageratum, Floss Flower.....	4-12 inches.....	September-February.....	A.
Althea, Hollyhock.....	6-7 feet.....	September-April.....	A, P.
Alyssum, Sweet Alyssum.....	6-8 inches.....	August-March.....	A.
Amaranthus, Love Lies Bleeding.....	2-3 feet.....	March-June.....	A, Sun.
Anagallis, Pimpernel.....	1 foot.....	September-February.....	A, Sun.
Anemone, Windflower.....	1 foot.....	September-February.....	Bulb, Sun.
Antigonon, Queen's Wreath.....	1-3 feet.....	February-July.....	P, Vine, beautiful pink flowers.
Antirrhinum, SNAPDRAGON.....	2-3 feet.....	September-February.....	A, Sun, thin to 10 inches.
Aquilegia, COLUMBINE.....	2-3 feet.....	September-February.....	P, semi-shade.
Arctotis, Blue-eyed African Daisy.....	1-2 feet.....	September-January.....	HHA, sun, winter flowering.
Aster.....	2 feet.....	February.....	A, best in cold sections.
Asparagus, Asparagus Fern.....	4-5 inches.....	February-June.....	P, Vine for foliage.
Bellis, English Daisy.....	18 inches.....	September-January.....	A (P) spring flowering.
Browallia.....		September-February.....	HHA.
Cactus.....		February-August.....	P, curious group.
Calendula, Pot Marigold.....	12-18 inches.....	September-February.....	A, thin to 12 inches.
Calliopsis.....	2-3 feet.....	September-May.....	A, sun.
Campanula, Canterbury Bells.....	2 feet.....	September-October.....	A, Bien., sun.
Canna.....	3-4 feet.....	November-March.....	P, Bulb.
Cardiospermum, Balloon Vine.....	2-3 feet.....	February-July.....	A, Vine.
Celosia, COCKSCOMB, Woolflower.....	12-14 inches.....	March-July.....	A, thin to 10 in.; sun.
Centaurea, Bachelor Button, Cornflower, Sweet Sultan.....	21/2 feet.....	September-February.....	A, sun. Incl. best blue.
Cheranthus, WALLFLOWER.....	1-11/2 feet.....	September-March.....	A, sun.
Chrysanthemum, PAINTED DAISY.....	2 3 feet.....	September-March.....	A, pinch to bush out.
Shasta Daisy.....	2 feet.....	February-October.....	P, sun. Good cut flower.
Clarkia.....	18-24 inches.....	September-February.....	A, sun or part shade.
Cobaea, Cup and Saucer Vine.....	1-2 feet.....	February-July.....	P, beautiful flowers.
Coleus.....	2-3 feet.....	Early Spring.....	P, colored foliage.
Coreopsis.....	4-8 feet.....	September-February.....	P, full sun.
Cosmos.....	2-3 feet.....	February-August.....	A, full sun, keep bushy.
Delphinium, LARKSPUR.....	3-5 feet.....	September-March.....	A, full sun. Winter flowering.
Delphinium, Perennial.....	10-12 inches.....	September-January.....	P, sun. Rich soil.
Dianthus, PINKS.....	12-18 inches.....	September-February.....	HA, sun; thin to 8 in.
CARNATIONS.....	1-2 feet.....	September-January.....	A, P, set 12 in., part shade.
Sweet William.....	18 inches.....		A, bien. Sun.
Didiscus, Blue Lace Flower.....	3-4 feet.....		A, sun.
Digitalis, Foxglove.....	12-18 inches.....		A, bien., part shade.
Dimorphotheca, African Daisy.....	1 foot.....		A, sun.
Dolichos, Australian Pea Vine and Hyacinth Bean.....	2-3 feet.....		A, Vine.
Eschscholtzia, CALIFORNIA POPPY.....	11/2-2 feet.....		A. Sow where to grow.
Euphorbia, Snow on the Mountain and Poinsettia.....	2-3 feet.....		A, sun.
Gaillardia, Blanket Flower.....	2 feet.....		A, P. Full sun. Showy.
Gerbera, Transvaal Daisy.....	2 feet.....		P, sun, good drainage.
Geum, Avens.....	2-3 feet.....		P, sun or partial shade.
Glaucium, Horned Poppy.....	1-11/2 feet.....		P, full sun, sow in open.
Godetia.....	2 feet.....		A, semi-shade to sun.
Gomphrena, GLOBE AMARANTH.....	18-24 inches.....		A, sun. Everlasting.
Gypsophila, BABY'S BREATH.....	4-6 feet.....		A, sun.
Helianthus, Sunflower.....	21/2 feet.....		A, sun. Showy summer flowers.
Helichrysum, Strawflower.....	1-2 feet.....		HA, sun. Everlasting.
Heliotropium, Heliotrope.....	2 feet.....		P, fragrant flowers.
Hunnemannia, Tulip Poppy.....	1-2 feet.....		P, sow where to grow.
Iberis, CANDYTUFT.....	11/2 feet.....		A, sun, showy flowers.
Impatiens, BALSAM, Lady Slipper.....	2 feet.....		TA, semi-shade.
Ipomoea, MORNING GLORY, Cypress Vine.....	1-2 feet.....		A, Vine, sow after frost.
Kochia, Burning Bush, Summer Cypress.....	2-3 feet.....		A, sun, colors up in summer.
Lagenaria, ORNAMENTAL GOURDS.....	2-3 feet.....		A, vines. Showy fruits.
Lantana, Lantana.....	2-3 feet.....		P, comes back if frozen.
Lathyrus, SWEET PEA.....	2 feet.....		A, see special culture.
Linaria, Baby Snapdragon.....	11/2-3 feet.....		A, sun.
Linum, Flax.....	4-6 inches.....		A, P, sun.
Lobelia, Lobelia.....	2-3 feet.....		A, beautiful blue border.
Lupinus, Lupin.....	6-12 inches.....		A, thin to 12 inches.
Malcomia, VIRGINIAN STOCKS.....	6-8 inches.....		A, Bulb cover, showy.
Mathiola, Evening Scented Stock.....	18-24 inches.....		A, sun.
Giant Imperial STOCK.....	8 inches.....		A, thin to 12 inches.
Mesembryanthemum, Ice Plant.....	2 feet.....		A, P, full sun, poor soil.
Mirabilis, FOUR O'CLOCK.....			P, sun.
Momordica, Balsam Apple.....			A, Vine.
Myosotis, Forget-Me-Not.....	1 foot.....		A, cool damp location.
Nemesia.....	1 foot.....		A, showy dwarf annual.
Nemophila, Baby Blue Eyes.....	6 inches.....		A, excellent bulb cover.
Nicotiana, Flowering Tobacco.....	3-4 feet.....		A, sun, fragrant.
Nierembergia, Blue Cup Flower.....	1 foot.....		P, sun.
Nigella.....			HA, sun.
Papaver, POPPIES.....	15-24 inches.....		A, P. Sow where to grow.
Pelargonium, GERANIUMS.....	1-2 feet.....		P, sun or part shade.
Petunia, PETUNIA.....	3-30 inches.....		A, P. Thin to 8-12 in., sun.
Phlox.....	2 feet.....		A, sun, showy.
Portulaca, Moss Rose.....	6 inches.....		A, full sun, hot dry places.
Pyrethrum.....	2 feet.....		P, full sun.
Queen Anne's Lace.....	3 feet.....		A, sun.
Ranunculus.....	2 feet.....		Bulb, well drained soil, sun.
Reseda, MIGNONETTE.....	6-12 inches.....		A, shade or sun.
Rhodanthe, Swan River Everlasting.....	21/2 feet.....		A, full sun. Everlasting.
Ricinus, CASTOR BEANS.....	6-8 feet.....		A, sun.
Scallop-gloss, Painted Tongue.....	21/2 feet.....		A, sun, careful watering.
Salvia, Scarlet Sage.....	1-2 feet.....		TP, sun, bedding.
Scabiosa, Pincushion Flower.....	21/2 feet.....		A, sun.
Schizanthus, Butterfly Flower.....	1 foot.....		A, sun.
Statice, Sea Lavender.....	11/2-2 feet.....		HA, sun; everlasting.
Tagetes, MARIGOLD, French, African.....	12-30 inches.....		A, sun, light soil; thin to 10-12 in.
Tithonia, Mexican Sunflower.....	6-8 feet.....		P, full sun.
Tropaeolum, NASTURTIUM.....	12-14 inches.....		A, dry poor soil; sun.
Venidium, Monarch of the Veldt.....	2 feet.....		A, full sun.
Verbena, VERBENA.....	1 foot.....		A, sun, blooms continuously.
Vinca, Periwinkle.....	16-18 inches.....		P, sun.
Viola, PANZY, VIOLA.....	6 inches.....		A, semi-shade, transplant 4-12 in.
Xeranthemum, Everlasting.....	2-3 feet.....		HA, everlasting, sun.
Zinnia, ZINNIA.....	6 inches-4 feet.....		A, thin to 12 in. Full sun.

A, annual; B, biennial; P, perennial; HA, hardy annual; HHA, half hardy annual.

LIEFGREEN'S GIANT SPENCER SWEET PEAS



HOW TO GROW SWEETS PEAS

SWEET PEAS are so well known they need no description. We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.



CULTURE: Sow seed in a location that receives morning and early afternoon sun. Seed may be planted from early fall to early spring. Dig a trench about a foot wide and deep and fill in with 6 inches of well-rotted manure. Mix a liberal amount of manure with the soil that has been removed and replace it. Flood bed thoroughly and allow to stand several days before planting seed. After the soil has settled sufficiently, open a trench in the bed about 6 inches deep and plant ONE OUNCE of seed to about 20 or 25 feet of row. During the warm weather cover seed about 2 or 3 inches deep and in cooler weather about 1 inch is sufficient. CARE MUST BE TAKEN DURING WARM WEATHER NOT TO ROT THE SEED WITH TOO MUCH MOISTURE. After planting seed soak the trench thoroughly and cover top with a light mulch of peat moss to prevent the surface soil from drying out and cracking. When the plants are up about 3 or 4 inches thin out to about 4 inches apart and begin drawing the earth to the plant to insure a deep root system. This makes a trench on each side of the plant along which the plant is watered. Provide a trellis or proper support as the vines attain great height. Frequent cultivation, water as needed after plants are up and occasional applications of Sweet Pea Food or a good all-purpose commercial fertilizer, will insure a profusion of lovely blooms. A long blooming season may be had by keeping the blossoms picked.

Inoculate Seed with LEGUME-AID

LEGUME-AID is a NITROGEN-fixing bacteria for inoculating legume seed, such as SWEET PEA SEED, LUPINS, etc. Legume-Aid increases the yield, improves the quality and enriches the soil. It comes in dust form in moisture-proof packages and no water is needed. One garden packet inoculates up to 5 pounds of Sweet Peas, Lupins, Beans or garden peas.

Pkt. 10c, postpaid.

CUPID SPENCER SWEET PEAS

Sweet peas in bush form. Lovely large blooms of true Spencer type, borne profusely on small trailing plants growing not more than 9 inches tall. Grand for borders and massing. Light shades, bright pink predominating. Pkt. 15c, 1/2 oz. 25c, 1 oz. 40c, 1/4 lb. \$1.25.

Lieffgreen's Giant Early Flowering Spencer Sweet Peas

Plant the Early Flowering type sweet peas in the early fall and winter months for early winter and early spring blooming. Again early in the spring months for later spring blooming. This type sweet pea blooms from four to six weeks earlier than the Spring Flowering Spencers. The plant starts climbing immediately after germination. We offer the very latest and finest types adaptable to Arizona climate.

AMETHYST—Royal purple.

BALL'S ROSE IMPROVED—Rich, deep rose pink.

CREAM—Rich soft deep cream.

COLUMBIA—Bicolor. Salmon rose, white wings.

EXPOSITION PINK—Gorgeous rich pink.

HOPE—Pure glistening white.

LAVANDA—Pure clear lavender.

MARINER—Clear marine blue.

MARS—Bright crimson red.

MEMORY—Rosy lavender.

PRIDE—Cerise, long stems.

OTHELLO—Maroon.

SEQUOIA—Golden cerise.

SHIRLEY TEMPLE—Very large, frilled, soft rose pink.

SKIPPY—Light salmon pink.

TRIUMPH—Lilac mauve.

VALENCIA—Sunproof orange.

Each: Pkt. 15c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.00.



Spencer Sweet Peas

Lieffgreen's Giant Spring Flowering Spencers

Plant in a sunny location for blooming during the spring months. Will bloom from four to six weeks later than the Early Spencers. Planted during the early fall and winter months, they make a growth of only about 6 to 8 inches with numerous tendrils at the base which rapidly climb during the warm early spring months. Our selection of this type is the latest and finest varieties grown:

BLANCHE FERRY—Bicolor. Bright red and white

CHIEFTAIN—Satiny lilac mauve.

CHINESE BLUE—Rich deep blue.

CREAM GIGANTIC—Largest deep soft cream.

DAMASK ROSE—Deep rose.

JACK HOBBS—Flushed scarlet pink on cream ground.

JUMBO—Deep cerise.

KING LAVENDER—Clear pure lavender.

OLYMPIA—Rich purple.

PINKIE—Clear bright pink.

PIRATE OF GOLD—Golden orange.

RED SUPREME—Deep crimson. Very bright.

SMILES—Salmon shrimp pink.

WARRIOR—Maroon.

WHITE GIGANTIC—Large pure white.

YOUTH—Large white, pink picotee edge.

Each: Pkt. 10c, 1/2 oz. 25c, oz. 45c, 1/4 lb. \$1.50.

SPECIAL MIXTURE

Special Early Flowering Spencer Mixture

Containing the very finest varieties.

Pkt. 10c, 1/2 oz. 25c, oz. 45c, 1/4 lb. \$1.35, 1 lb. \$4.50.

SPECIAL SWEET PEA COLLECTIONS

8 15c pkts. \$1.00

GIANT EARLY FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

12 10c pkts. \$1.00

GIANT SPRING FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

SPECIAL MIXTURE

Special Giant Spring Flowering Mixture

All the best varieties and many of the newest.

Pkt. 10c, oz. 30c, 1/4 lb. 90c, 1 lb. \$3.00.

Vines Are Essential to the Home Beautiful



Antigonon Leptopus (Queen's Wreath)



Morning Glory, Scarlett O'Hara

Vines Specially Selected for Their Adaptability to Arizona Climate

Plant all vine seed and bulbous roots in the spring after all danger of frost, and continue to plant during the summer months. Provides restful shade and quick and attractive covering for fence, trellis, and bare walls. Vines planted for a profusion of blooms should be fertilized only lightly; for luxuriant foliage soil may be quite rich.

MORNING GLORIES

SCARLETT O'HARA—Beautiful rich dark wine color. Early blooms. Pkt. 20c, $\frac{1}{6}$ oz. 50c.

CLARK'S HEAVENLY BLUE—Sky blue with golden throat. Early. Pkt. 15c, $\frac{1}{4}$ oz. 40c.

FINEST TALL, MIXED—Shades of rose, blue and white. Pkt. 10c, oz. 25c.

IMPERIAL JAPANESE—Variety of colors beautifully shaded. Pkt. 10c, oz. 35c.

MADEIRA VINES

One of the best and most popular climbers for foliage effect. Increases very rapidly. Large tubers, 15c each, \$1.25 dozen; medium size, 10c each, \$1.00 dozen.

Available only during the spring and early summer months.

QUICK GROWING CLIMBERS AND SHADE VINES

Alamo, Mile a Minute

Annual. Grown for foliage only.
Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c.

Moon Flower

Annual. Large sweet scented. Bloom after sunset.
WHITE or BLUE—Pkt. 10c, oz. 60c.

FOR BEAUTIFUL BLOOMS AND FOLIAGE ANTIGONON LEPTOPUS (Queen's Wreath)

Perennial. Grows from seed or bulbous roots. It is cut back by frost but renews its growth more luxuriantly each year. Bears lovely rose-pink wreath-like blossoms during the late summer and fall months.

SEED—Pkt. 10c.

BULBOUS ROOTS—(Spring months only.) Large size, 50c each, postpaid.

Other Vines Popular and Decorative

(All annual unless listed perennial.)

AUSTRALIAN PEA VINE—Small rose purple blossoms. Pkt. 15c.

BALLOON VINE—Bears a pretty inflated white and green capsule.

BALSAM APPLE—Yellow flowers, ornamental warty yellow fruit.

CYPRESS VINE—Star-shaped scarlet and white flowers. Fine foliage.
Pkt. 35c.

CARDINAL CLIMBER—Bright red flowers. Attractive foliage. Pkt. 25c.

COBOEA SCANDENS (CUP AND SAUCER VINE)—Perennial. Flowers large, bell-shaped, deep purple in color.

HYACINTH BEAN (DOLICHOS)—Purple and white flowers followed by ornamental seed pods. Very popular. Fast growth.

JAPANESE HOP (HUMULUS)—Luxuriant foliage for dense rapid growth.

KUDZU VINE—Perennial. Quick growing. Large attractive leaves.

PASSION FLOWER—Nice foliage growth but few flowers in Arizona.

ASPARAGUS PLUMOSUS—Perennial. Fine feathery foliage, used extensively for green in cut flowers. Soak seed before planting.

WILD CUCUMBER—Small white fragrant flowers followed by ornamental seed pods.

All of the above: 10c per pkt. unless noted otherwise.

When to Plant Vegetable Seeds



Vegetable	To 1000 ft. Elevation	1000-3000 ft. Elevation	3000-4500 ft. Elevation	4500-6000 ft. Elevation*
Asparagus.....	Oct. 1-Feb. 1	Oct. 1-Feb. 1	Feb.-March	April 1-15
Beans, Bush.....	Feb. 1-July 15-30	Feb.; July 1-15	April 15-July 30	May 1-10
Pole.....	Aug. 10-30; Feb. 15-April 1	Feb.; July 1-15	April 15-June 1	May 1-10
Beet.....	Aug. 1-May 1	Sept.-May	April 15-June 15; Aug. 1-30	April 1-30
Broccoli.....	July-Jan.	Sept. 1-Jan. 1	Seed: Feb. 15-28 Field: March 1-June 1	
Cabbage.....	Seeds: July-Jan. Plants: Oct. 1-Feb. 1	Seed: July-Jan. Plants: Sept.-Feb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-30
Carrots.....	Aug. 1-April 1	Aug.-April 1	April 1-Sept. 1	Aug.-Feb.
Cauliflower.....	Seed: July-Jan. Plants: Oct.-Feb.	Seed: July-Dec. Field: Sept.-Feb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-30
Celery.....	Seed: May-July 15 Plants: Aug.-Oct. 15	Seed: July 1-31 Plants: Sept. 1-Nov. 1	Seed: Feb. 1-March 1 Plants: June 15-Aug. 1	
Chard.....	Aug.-March	Aug. 15-Dec. 1	Feb. 15-April 1	April 1-May 15
Corn, Sweet.....	Feb. to Aug.	April 1-Aug. 1 (May 20-June 10 best)	April 1-July 20	May 1-15
Cucumber.....	Mar. 1-31 and Aug.	April 1-June 15	April 15-June 15	May 1-10
Eggplant.....	Seed: Jan.-Feb. Plants: Mar. 1-May 1	Seed: March 1 Field: April 1-June 1	Seed: March 1 Field: May 1-June 15	Seed: April 1-15 Field: May 1-15
Endive.....	Sept. 1-Dec. 1	Sept. 1-Jan. 1	Oct. 25-Jan. 1 Aug. 15-25	April 1-30
Garlic.....	Sept.-Dec.	Sept.-Dec.	May 1-June 15	April 1
Kale.....	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed: March 15 Field: May 1 Seed in field: April 15-30
Kohlrabi.....	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed: March 15 Field: May 1 Seed in field: April 15-30
Leek.....	Sept. 1-Jan. 1	Sept. 1-Feb. 1	May 1-June 15	April 1-May 1
Lettuce.....	Sept. 1-Feb. 1	Sept. 1-Feb. 1	Oct. 25-Feb. 15 June 1-July 10	April 1-30
Muskmelon.....	March 1-April 10	March 1-June 1	May 1-June 15	May 1-15
Mustard.....	Sept.-Feb.	Sept.-March	Feb. 15-April 15	April
Okra.....	March-June	April 1-June 1	May 1-June 15	May and June
Onion.....	Seed: Aug.-Nov. Plants: Nov.-Jan.	Seed: Sept.-Feb. Field: Dec.-Jan.	Feb. 15-March 1 Oct. 30-31	Sets: April 1-15
Parsley.....	August-March	Sept. 1-30	May 1-June 15	April 1-15
Parsnip.....	Oct.-Dec.	Sept. 1-Jan. 1	April 1-June 1	April 1-15
Peas.....	Sept. 1-March 1	Sept. 1-March 1	Jan. 15-April 15 July 25-Aug. 10	April 1-30
Pepper.....	Seed: Sept.-March Plants: Feb.-April	Seed: March 1 Field: April 1-30	Seed: March 1-28 Field: May 1-June 15	Seed: April 1-15 Field: May 1
Potato, Irish.....	Jan. 15—March 15 Aug. 15-Sept. 1	Feb. 15-April 1	April 1-30 July 10-25	May
Potato, Sweet.....	Seedbed: Feb.-March Field: March-June	Seedbed: Mar. 1-May 15 Field: April 1-July 1	Seedbed: March 15 Field: May 10-25	Seedbed: April 1-15 Field: May 15-20
Pumpkin.....	March-July	April 1-July 1	April 15-July 1	May 1-10
Radish.....	Sept.-May	Sept. 15-April 1	March 15-June 15 Aug. 1-Sept. 1	April 1-May 15
Rutabaga.....	Sept.-April	Sept. 15-March 1	March 1	April 1-May 1
Salsify.....	Sept.-April	Oct. 1-Dec. 1	March 15-June 15 Aug. 1-31	April 1-May 15
Spinach.....	Sept. 1-Feb. 1	Sept. 15-March 1	Feb. 15-May 1 Aug. 1-15	April 1-May 15
Squash.....	Feb. 15-April 10 Aug. 1-Sept. 1	March 1-July 1	April 15-July 1	May 1-15
Tomato.....	Seed: Nov.-March Plants: Jan.-April	Seed: Feb. 15 Field: April 1-July 1	Seed in field: April 1-June 1 Plants: May 1-June 15	Seed: May 15-30 Field: June 1-15
Turnip.....	Sept.-April	Sept. 1-March 1	March 1; Aug. 15-Sept. 1	April 1-30
Watermelon.....	Feb.-April 1	March 1-June 1	April 15-June 1	May 1-15

*For safe planting dates for elevations between 6000 and 7500 feet add two weeks to dates in this column.



For Best Results Use Liefgreen's Seeds

LIEFGREEN'S REVISED PLANTING CHART

VEGETABLE	Seeds or Plants to 100 Feet of Row	Seeds or Plants per Acre		Distances for Plants to Stand		Depth of Planting in Inches (For Field)	Ready for Use (Time of Maturity) Approximate		
		Seed Drilled	Plants Set	Between Rows for Cultivation					
				Horse	Hand				
Asparagus Seed	1 oz.	6 lb.	3,700	3-4 ft.	1-2 ft.	2 in.	1 in. 2-3 years		
Asparagus Roots	50 plants			6 ft.	3 ft.	2 ft.	10-12 in. 1 year		
Beans, Bush	1 lb.	100 lb.		2½-3 ft.	1½-2 ft.	3 in.	1-2 in. 50-70 days		
Beans, Pole	½ lb.	50 lb.		3-3½ ft.	1½-2 ft.	6 in.	1-2 in. 60-90 days		
Beets	2 oz.	8-10 lb.		2-3 ft.	1½-2 ft.	Drill	½-1 in. 60-100 days		
Broccoli	¼ oz.	2 lb.		3-3½ ft.	2½-3 ft.	18-24 in.	½ in. 100-125 days		
Cabbage, Summer	¼ oz.	4 lb.	17,000	2½-3½ ft.	2-3 ft.	12-16 in.	½ in. 90-120 days		
Cabbage, Fall	¼ oz.	2 lb.	17,000	2½-3½ ft.	2-3 ft.	12-16 in.	½ in. 90-120 days		
Carrot	1 oz.	3-5 lb.		2-3 ft.	1½-2 ft.	Drill	½ in. 70-100 days		
Cauliflower	¼ oz.	2 lb.	10,000-13,200	2½-3½ ft.	1½-2 ft.	14-18 in.	½ in. 120-150 days		
Celery	¼ oz.		29,000	3 ft.	1½-3 ft.	6 in.	¼ in. 110-120 days		
Collards	¼ oz.	2 lb.		2½-3½ ft.	2-2½ ft.	14-18 in.	½ in. 100-120 days		
Corn, Sweet	½ lb.	8-10 lb.		3-4 ft.	2½-3 ft.	12-18 in.	1-2 in. 70-100 days		
Cucumber	½ oz.	3 lb.		4-6 ft.	4-6 ft.	3-5 ft.	1-2 in. 60-90 days		
Eggplant	½ oz.	½ lb.	5,250-6,600	3-3½ ft.	2½-3 ft.	24-30 in.	½ in. 100-120 days		
Endive	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	thin to 1 ft.	½ in. 80-90 days		
Garlic (sets)	250 cloves	300-400 lb.		2½-3 ft.	1½-2 ft.	5 in.	1-2 in. 4-5 months		
Kale	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	thin to 18 in.	½-1 in. 50-70 days		
Kohlrabi	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	6-8 in.	½-1 in. 70-80 days		
Leek	½ oz.	4 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	½ in. 90-120 days		
Lettuce	½ oz.	2 lb.		2-2½ ft.	1½-2 ft.	12-14 in.	¼ in. 90-120 days		
Muskmelon	½ oz.	2 lb.		4-7 ft.	4-7 ft.	3-6 ft.	1-2 in. 90-120 days		
Watermelon	1 oz.	3 lb.		10-12 ft.	10-12 ft.	6-8 ft.	1-2 in. 80-120 days		
Mustard	½ oz.	2 lb.		2½-3 ft.	1-1½ ft.	thin to 4 in.	¼-½ in. 60-90 days		
New Zealand Spinach	1 oz.	8 lb.		3 ft.	2-3 ft.	12 in.	1-2 in. 70-90 days		
Okra	2 oz.	10-12 lb.		3-4 ft.	2½-3 ft.	10-18 in.	½ in. 50-75 days		
Onion Seed For Dry Onions	1 oz.	3 lb.		2-3 ft.	1½-2 ft.	2 in.	¼ in. 5-7 months		
Onion, Sets	2 lb.	250 lb.		2-3 ft.	1½-2 ft.	4-6 in.	1-2 in. 50-90 days		
Parsley	½ oz.	3 lb.		2-3 ft.	1½-2 ft.	thin to 3 in.	¼-½ in. 80-120 days		
Parsnip	½ oz.	3 lb.		2½-3 ft.	1½-2 ft.	2 in.	¼ in. 100-120 days		
Peas	1 lb.	60-100 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	1-2 in. 60-100 days		
Pepper	½ oz.	¼ lb.	10,000-13,200	2½-3 ft.	1½-2 ft.	14-18 in.	½ in. 90-120 days		
Potatoes, Irish	10 lb.	600-800 lb.		2½-3 ft.	1½-2 ft.	14-20 in.	4-6 in. 100-120 days		
Potatoes, Sweet	100 plants		14,000 plants	3 ft.	3 ft.	12 in.	..... 100-160 days	
Pumpkin	1 oz.	3 lb.		6-10 ft.	6-10 ft.	6-10 ft.	1-2 in. 90-120 days		
Radish	1 oz.	10-12 lb.		2½-3 ft.	1½-2 ft.	1 in.	½ in. 30-60 days		
Rhubarb, Roots	20-50 plants			3-5 ft.	3-5 ft.	2-4 ft.	3-4 in. 2-3 years		
Rutabaga	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	½ in. 100-120 days		
Salsify	1 oz.	8 lb.		2½-3 ft.	1½-2 ft.	Drill	½-1 in. 150 days		
Spinach	1½ oz.	25-35 lb.		2½-3 ft.	1½-2 ft.	Drill	½ in. 40-75 days		
Squash, Summer	1 oz.	3-4 lb.		3-4 ft.	3-4 ft.	3 ft.	1-2 in. 60-70 days		
Tomato	½ oz.	4 oz.	3,000 average	3-6 ft.	3-4 ft.	3-6 ft.	½ in. 90-120 days		
Turnip	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	Drill	¼ in. 40-60 days		

★ ★ ★

NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCE APART

Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre
8 x 4 in.	522,720	3 x 1 ft.	14,520	4½ x 4½ ft.	2,150	6 x 7 ft.	1,031	11 x 11 ft.	360	19 x 19 ft.	120
4 x 4 in.	392,040	3 x 2 ft.	7,260	5 x 1 ft.	18,712	6 x 8 ft.	907	12 x 12 ft.	302	20 x 20 ft.	108
6 x 6 in.	174,240	3 x 3 ft.	4,840	5 x 2 ft.	4,356	6 x 9 ft.	806	14 x 14 ft.	222	25 x 25 ft.	65
1 x 1 ft.	43,560	3½ x 3½ ft.	3,555	5 x 3 ft.	2,904	6 x 10 ft.	726	15 x 15 ft.	193	30 x 30 ft.	48
1½ x 1½ ft.	19,360	4 x 1 ft.	10,890	5 x 4 ft.	2,178	7 x 7 ft.	888	16 x 16 ft.	170	33 x 33 ft.	40
2 x 1 ft.	21,780	4 x 2 ft.	5,445	5 x 5 ft.	1,742	8 x 8 ft.	680	16½ x 16½ ft.	160	40 x 40 ft.	27
2 x 2 ft.	10,890	4 x 3 ft.	3,630	5½ x 5½ ft.	1,440	9 x 9 ft.	537	17 x 17 ft.	150	50 x 50 ft.	17
2½ x 2½ ft.	6,980	4 x 4 ft.	2,722	6 x 6 ft.	1,200	10 x 10 ft.	435	18 x 18 ft.	134	60 x 60 ft.	12

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

FIELD AND GARDEN SUPPLIES



Citrus Picking Bags

No. 5— $\frac{3}{4}$ Box size, \$3.75, postpaid \$4.00.

No. 5—Full Box size, \$4.00, postpaid \$4.25.

PRUNING COMPOUND—TREE HEAL—For covering fresh cuts or bruises on trees. Will aid nature in healing wounds without retarding the growth. Valuable for citrus trees. 1 pt. 30c., qt. 50c., gal. can \$1.50, postage extra.

TREE TANGLEFOOT—Protection from climbing insects. 1 lb. can 80c, 5 lbs. \$3.75, 10 lbs. \$7.00, postage extra.

PERFORATED TREE PROTECTORS—For protecting trees from frost, insects, etc.

Weight	Price	
Per 1000	Per 100	Per 1000
12 in.	43 lbs.	\$1.60
18 in.	65 lbs.	1.90
24 in.	85 lbs.	2.50
		22.00

F.O.B. Phoenix, postage extra.

RAFFIA—Its principal use is for tying vines, flowers, asparagus, carrots and celery bunches and for grafting. Natural color is light straw. 1 lb. 60c, 5 lbs. \$2.50, postpaid. Ask for quantity price in bale lots.

GRAFTING WAX— $\frac{1}{4}$ lb. 30c, $\frac{1}{2}$ lb. 40c, 1 lb. 60c, postpaid.

BUDGING CLOTH—\$1.25 yard, postpaid.

SPHAGNUM MOSS—For packing. Per bale, \$4.50, f.o.b. Phoenix.

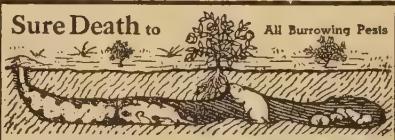
GREEN MOSS—For lining hanging baskets. Per lb. 50c, postpaid. Write for bale prices.



PEAT MOSS is a valuable soil improver for all horticultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Bale, \$5.00, f.o.b. Phoenix.

DOGZOFF

Discourages dogs—keeps them from places where they are not wanted. Price, 70c, postpaid.



RODENT DESTROYERS

This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of 1 dozen, \$1.20, postpaid \$1.30 dozen.

Gator Roach Hives



We recommend this roach killer. It is not MESSY or WASTEFUL. Clean, convenient and effective for months. Guaranteed by Good Housekeeping as advertised therein. One pkg. of 3 hives, 40c; 3 pkgs. \$1.10, postpaid.

Poison Barley

For gophers, mice, etc. 1 lb. 35c, postpaid 45c; 5 lbs. \$1.25, postpaid \$1.40.

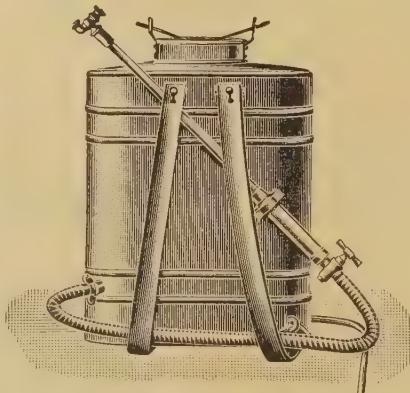
ANT POISONS

Liefgreen's Ant Poison

For large red ants in the yard or field. In powder form, very effective. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.95.

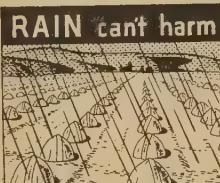
Cyanogas

Dust or granular form—for large red ants, etc. 1 lb. can, 75c; 5 lb. can, \$2.50; 25 lb. drum, \$6.00, postage extra.



Champion Sprayer

An all-copper sprayer adapted for truck and home gardeners. It can be filled to capacity and discharged to the last drop, maintaining an even high pressure, without stopping. Capacity 4 gal. \$25.00, f.o.b. Phoenix.



Germaco Hotkaps

Market Growers:

**Help You Have
SURE CROPS
3 Weeks Earlier**

Mature your crops 2 to 3 weeks earlier. Get premium prices and bigger yields by protecting your plants with HOTKAPS, patented wax paper cones — miniature hothouses — that keep out frost, rain, wind, birds and insects. They maintain a perfect mulch around each plant, promoting sturdy growth.

Protect crops. Save work and worry.

Millions of HOTKAPS are used every season. Inexpensive to buy. One man can set out 2000 or more per day.

25 Hotkaps, 50c (postpaid 65c); 100, with setter, \$1.95 (postpaid \$2.15); 250, with setter, \$3.50 (postpaid \$3.75). Beat everyone with first vegetables, flowers. Buy Germaco HOTKAPS from us today. MARKET GROWERS: GERMACO HOTKAPS help you have sure crops, highest out-of-season prices, bigger profits.

1000 FOR ONLY \$11.00

POSTAGE EXTRA

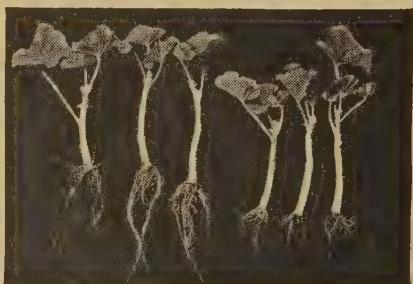
Weight 28 lbs. Write for quantity prices.

Weight: 1000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Home Garden Package, 2 lbs.

Steel HOTKAP Setter.....\$1.35 Postpaid \$1.55
Fibreboard Setter15 Postpaid .25

ROOTONE

Reg. U. S. Pat. Off.



Geranium Cuttings. Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. 1/4 oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.



RICH PLANT FOOD In Convenient TABLET FORM Gives Amazing Results

Feed everything this modern, convenient way. Clean, odorless, absolutely reliable. Increase production, have more beautiful plants and flowers.

HOUSE PLANTS grow strong and healthy with green, bushy foliage while the blooming kind are covered with perfect blossoms. Ferns, Geraniums, Ivy, Cacti, African Violets, etc., thrive all year 'round.

GARDEN FLOWERS reward with finer blooms over a long period. Especially fine for Roses, Delphinium, Lilies, Dahlias, Chrysanthemums. Your garden will be a real joy.

VEGETABLES. Begin feeding when well up out of the ground. Continue regularly to maturity and you'll raise a crop you never dreamed of. Use on all vegetables—just push a tablet into the soil near plant—that's all.

FRUITS, VINES, SHRUBS of all kinds respond to feeding on Plantabbs with abundant yields and profusion of blooms.

We recommend Plantabbs because we know them to be good. Give them a trial.



● PRICES ●

Box of 10 Tablets	.... \$ .10
Box of 30 Tablets	.... .25
Box of 75 Tablets	.... .50
Box of 200 Tablets	.... 1.00
Box of 1000 Tablets	.... 3.50

Pre-war Formula

●
For Economy Buy the Larger Sizes

Victory Gardeners!

"AIR CONDITION" YOUR SOIL WITH

Sani-Soil

FROM REDWOOD BARK

THE SOIL INSULATOR THAT

- Cuts Down Watering
- Saves Cultivation
- Reduces Weeding
- Promotes Growth

In 25-lb. bags, \$2.00, f.o.b. Phoenix.

Postage extra, see zone rates, page 2.



ANTROL Kills Sweet and Grease Eating Ants

A SCIENTIFIC METHOD, SAFE, SURE, PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The ant family is often killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. Prices: Antrol Ready-filled set, contains 4 filled feeders, 50c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup, enough for 2 fillings.....75c Antrol Syrup for refilling, 4-oz. bottle, 30c. Pint bottle, 60c. Prices postpaid.



SAFE TO USE AROUND CHILDREN AND PETS
Can be used inside or outside the house.



ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each 10c, postpaid. Can be used inside or outside the house.

SNAROL

Metaldehyde-Arsenical Bait

Attracts and kills snails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. 1-lb. packages, 25c; 2½-lb. packages, 50c; 6-lb. packages, \$1.00; 10-lb. bags, \$1.50; 50-lb. bags, \$5.50. Postage extra.



ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satisfaction. Packed in cans with convenient pouring spout.

8 oz. can, 35c; 12 oz. can, 45c. Prices postpaid.



BANDINI
Gro-Rite
LAWN & GARDEN
Contains chemical
nitrogen for quick
action, organic nitro-
gen for lasting
results.

LAWN & GARDEN Prices..

1 lb.	\$.15
2½ lbs. ....	.30
5 lbs. ....	.45
10 lbs. ....	.75
25 lbs.	1.30
50 lbs.	2.15
100 lbs.	3.50

VICTORY GARDEN Prices..

5 lbs....	\$.50
10 lbs....	.80
25 lbs....	1.45
50 lbs....	2.35
100 lbs....	3.70



(FOR FOOD PRODUCTION ONLY)

F.O.B. Phoenix—Add postage.

LIEFGREEN SEED CO., Phoenix, Arizona

GARDEN PESTICIDES

FOR INSURANCE AGAINST PEST DAMAGE

MULTI-PURPOSE SPRAY SET

For Use Against

More Prevalent GARDEN INSECTS



Set contains 4-ounce bottle of EXTRAX Insect Spray, GREENOL Liquid Fungicide and VOLCK Oil Spray. Mix all 3 sprays in the same water and in one application treat against many insects and diseases in the garden. Set makes 25 gallons combination spray at normal dilution \$1.85

MULTI-PURPOSE DUSTS

BOTANO Garden Dust. For general garden use against many insects and diseases. Dusting is preferred by many, particularly on vegetables. One of the safest multi-purpose dusts that can be used. 10-oz. size is Dual Purpose package which also serves as a handy garden duster.
8-oz. Shaker.....35c 1-lb. Pkg.....\$.50
4-lb. Pkg.....\$1.10
10-oz. Duster (Contains ROTENONE).....49c

CALTOX Garden Dust "525". Used throughout the garden, but especially useful on Tomatoes, Potatoes, Cucumbers, Squash, and Melons, against Flea Beetle, Diabrotica or Cucumber Beetle, Potato Beetle, Tomato Worm, Early and Late Blight. Contains Cryolite, Copper and Zinc. 10-oz. Dual Purpose package.....49c

OIL SPRAYS

VOLCK Oil Spray. Envelops, penetrates and smothers many sucking insects such as certain Scale Insects, White Fly, Mealybug, and Red Spider. Also a spray carrier for other sprays.
4-oz. Bottle.....25c 1-pint Bottle.....50c
1-gallon Can.....\$2.25

KLEENUP Winter Spray. An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.
1-pint Bottle.....39c 1-gallon Can.....\$1.00
5 Gallons.....\$4.95

WEED KILLER

TRIOX Weed Killer. Poisons soil and prevents weeds from growing. Use on driveways, walks, and other places where no vegetation is wanted.
1-qt. Can.....75c 1-gallon Can.....\$2.25

ANT POISON

ANT-B-GON Ant Poison. The ANT-B-GON Dispensers are easy to refill. Ants feed from the "WICK" . . . Can't get inside. One or two sets of Dispensers are enough for the average home. For Argentine and Sweets-eating ants.
Set of four 1-oz. Dispensers.....60c
Ant Poison to refill dispensers:
4-oz. Bottle.....20c 1 pint.....50c
1/2 gallon.....\$1.50

ASK FOR FREE ORTHO GARDEN SPRAY GUIDE

NOTE: All items on this page can be sent Parcel Post or Express at purchaser's expense. Postage must be included when parcel post shipment is requested. See schedule page 2.

MULTI-PURPOSE BAIT

For Use Against

PRINCIPAL FORAGING PESTS



Slugs, cutworms, snails, sowbugs, earwigs, grasshoppers, strawberry root weevil. Baiting against these pests is easy with the new BUG-GETA PELLETS Compressed BAIT. (A Metaldehyde-Arsenical Bait.) 5000 baits in a 2 pound carton.

12-oz. Carton.....25c	5-lb. Carton.....\$1.00
2-lb. Carton.....50c	25-lb. Bag.....\$3.60

ORTHO ROSE SPRAY KIT

Special Combination Offer. Contains 2-oz. bottle "EXTRAX" for Aphis and other insects and 2-oz. bottle "GREENOL" to prevent certain Powdery Mildews. Makes 12 gallons spray. Used for vegetables too.
Each Kit.....\$1.00



SOIL INSECTS

ORTHO Soil Fumigant. A new "ORTHO" development designed to control certain soil inhabiting insects which attack roots. Used primarily against garden Centipedes, Cabbage Maggots, Onion Maggots, Wireworms. Also for fumigating soil in seed beds.
4-oz. Bottle.....35c 1 pint.....\$1.00

EARWIGS

ORTHO Earwig Bait. Prepared on a government formula. Earwigs can become a menace to health through food contamination and should be controlled at first sign of an infestation. First brood usually appears in April, May or June.
2 1/2 lbs.....50c

RODENT CONTROL

ORTHO Rat Bait Pellets. Ready-to-use Red Squill Baits which are relatively harmless to humans and domestic animals. Poisoned Rats seek underground burrows before dying.
2-oz. Carton.....25c 6-oz. Carton.....50c

ORTHO Rodent Destroyer. Kills Gophers, Squirrels, Prairie Dogs, Rats, Mice. This bait is poisoned with strichnine by a special solvent process to assure lasting potency.
6-oz. Carton.....30c 1-lb. Carton.....60c
5-lb. Carton.....\$2.25

DOG REPELLENT

SCRAM Dog Repellent. A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.
8-oz. Shaker.....49c



PRUNING PAINT

CONTAX Pruning Paint. Protect cuts and tree wounds with this modern plastic pruning and grafting composition. Also has many other uses.
1 pint.....35c 1 gallon.....\$1.50

Liefgreen's Insecticides and Spray Materials



DUSTING MATERIALS

Super-Calcium Adhesive Dust Mixture

Special dust for lettuce, peaches, tomatoes, etc. For control of many chewing insects including lettuce loopers, alfalfa loopers, pea worms, tomato fruit worms, and corn ear worms. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.90; 50 lbs. bags, \$4.00; 100 lbs. \$7.50.

Nicotine Dust

Ten per cent Black Leaf 40 in dust form. 1 lb. 50c, postpaid 60c; 5 lbs. \$1.60, postpaid \$1.80; 25 lb. drum, \$4.90; 50 lb. drum, \$9.15; 100 lb. drum, \$17.50.

Super Electric Dusting Sulphur

Used principally to control and prevent mildew on grapes, roses, melons, vines, etc. 1 lb. 10c, postpaid 20c; 10 lbs. 75c, postpaid 90c; 50 lbs. \$2.25; 100 lbs. \$4.25. Write for quantity prices.

LIQUID SPRAYS

Black Leaf 40

A 40% nicotine solution for the control of plant lice or aphids on roses and other garden plants. Must be applied in vapor form with a spray pump.

1 oz. 35c, postpaid 40c; 5 oz. \$1.05, postpaid \$1.15; 1 lb. \$2.50, postpaid \$2.65; 2 lbs. \$3.70; 5 lbs. \$6.90; 10 lbs. \$11.65.



RED ARROW

Kills chewing and sucking insects safely—contains Pyrethrum, Derris and soap in convenient form. Mix in water according to directions and spray.

1 oz. 35c, postpaid 40c.



Bordeaux Mixture

A Copper-Sulfate and Lime mixture (12 1/4% Copper), the standard control for fungus diseases (Blight, Rust, Wilt and Mildew) on vegetables, flowers, fruit and shade trees. Mixed with water, 8 pounds to 50 gallons gives equivalent of 4-4-50 Bordeaux.

1 lb. 35c, postpaid 45c
4 lbs. 75c, postpaid 95c



3 SURE WAYS TO INCREASE CROPS

FROST CAN'T HARM

HOTKAPS—patented paper hothouses—give complete protection against FROST, STORMS, INSECTS. Ripen crops 3 weeks earlier; increase yield 18 to 51%. Maintain perfect mulch. Millions used by successful growers every season. Easy to set. Victory Garden Package. 25 HOTKAPS 50c, postpaid 65c. 100 for \$1.95, postpaid \$2.15. 250 for \$3.50, postpaid \$3.75. Set-ter free.



REVOLUTIONARY HAND SPRAYER

New HARCO is only professional type sprayer priced so low. Long extension rod quickly sends insecticides to tall shrubs, small plants, hard to reach places. Sprays up, down, sideways without adjustment. Attractive, colorful. Only \$2.35 complete.



SELF MIXING SPRAYER

Simply attach HAYES-ETTE to garden hose, lightly press button, and it sprays up, down, sideways. Capacity 1 1/2 gallons. Efficiently does the work of many larger sprayers. Only \$2.95 complete.



GERMACO PRODUCTS

Proper Feeding brings out THE QUALITY BRED INTO SEED!



VIGORO

for lawns, flowers, shrubs and trees

100 Lb. Bag	..... \$4.25
50 Lb. Bag	..... 2.60
25 Lb. Bag	..... 1.55
10 Lb. Carton	..... .85
5 Lb. Carton	..... .50
1 Lb. Carton	..... .10

We offer seed of the finest quality in this catalog. Every variety has been tested and selected according to rigid standards. This seed, properly planted, cultivated and fed will help you grow lovely flowers, lawns and fine, mineral-rich vegetables.

Proper plant feeding is important!

Plants require many different plant food elements from the soil just as all humans require a variety of minerals, vitamins and other nourishment factors in their diet. But plants can't pick up and move if the soil does not supply their needs. They must depend on you supplying their needs. That's why gardens fed regularly with VIGORO do so much better. Vigoro is a complete plant food. It is a square meal for all plants.

Include Vigoro on your seed order and enjoy the full benefits of good seed plus complete plant feeding. There are two Vigoro products, both complete plant foods.

VIGORO

for vegetable gardens

100 Lb. Bag	..... \$3.70
50 Lb. Bag	..... 2.35
25 Lb. Bag	..... 1.45
10 Lb. Carton	..... .80
5 Lb. Carton	..... .50

A PRODUCT OF SWIFT & COMPANY



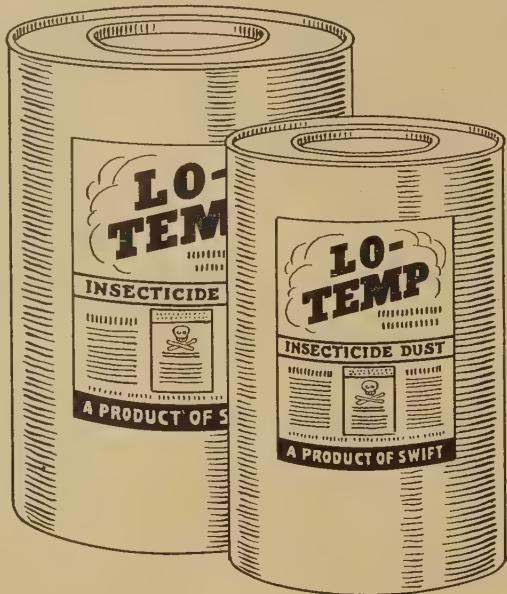
VIGORO and VIGORO VICTORY GARDEN FERTILIZER Complete Plant Foods

All Vigoro Priced F.O.B. Phoenix—Include Postage With Order—See Page 2 for Parcel Post Schedule

LIEFGREEN SEED CO., Phoenix, Arizona

for APHIDS, THrips

and other soft bodied SUCKING
INSECTS use . . .



LO- TEMP

scientifically
formulated

INSECTICIDE DUST for Commercial Growers

100-lb. drum..... \$17.00

50-lb. drum..... 9.00

Prices f.o.b. Phoenix

NEW 3 WAY Beauty Defense for Your Garden



The beauty of your garden needs protection against the ravages of sap-sucking insects... chewing insects and many fungus diseases. And NOW you can give your garden this 3-way defense with one easy-to-use product!

* Available in ready-for-action applicator can that's refillable or in $\frac{1}{2}$, 1 and $2\frac{1}{2}$ lb. pouring spout cans.



PRICE SCHEDULE

EndoPest

3-WAY GARDEN DEFENSE

Applicators—1 lb.	\$.85
Refill Packages— $2\frac{1}{2}$ lb.	1.50
1 lb.	.70
$\frac{1}{2}$ lb.	.40
$\frac{1}{4}$ lb.	.25



EndoPest Garden Bait

1 lb. pkg.	\$.25
$2\frac{1}{2}$ lb. pkg.	.50
10 lb. bag	1.50
25 lb. bag	3.25
50 lb. bag	5.50

Prices f.o.b. Phoenix
Add postage.

Liefgreen's Berry and Vegetable Plants



Write for Quantity Prices — We Do Not Ship C. O. D.

STRAWBERRIES

In the warmer sections of Arizona strawberries are usually planted on raised beds similar to lettuce beds. Alternate plants on each side of the bed about 12 inches apart. Water immediately after planting. Irrigating during the winter depends entirely on weather conditions. During the summer months plants must be watered not less than every three days. Under no conditions should plants be cultivated during the summer months as the plants are very shallow rooted. Allow weeds to grow around the plant during the summer months to provide shade. In the fall months the plants may be cultivated and fertilized. Also fertilize during the bearing season. Strawberries may be planted from the fall months on through to late spring.

IMPROVED KLONDIKE—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. **Dozen 40c. per 100 plants, \$3.00, postpaid.**

MASTODON, EVERBEARING—Mammoth sized berries round in shape, medium dark red in color. An early producer bearing both fall and spring. **Dozen 60c. per 100, \$3.50, postpaid.**

BLACKBERRIES

TEXAS WONDER BERRY—A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. **Each 30c. 3 for 75c, doz. \$2.50, postpaid.**

BOYSENBERRY

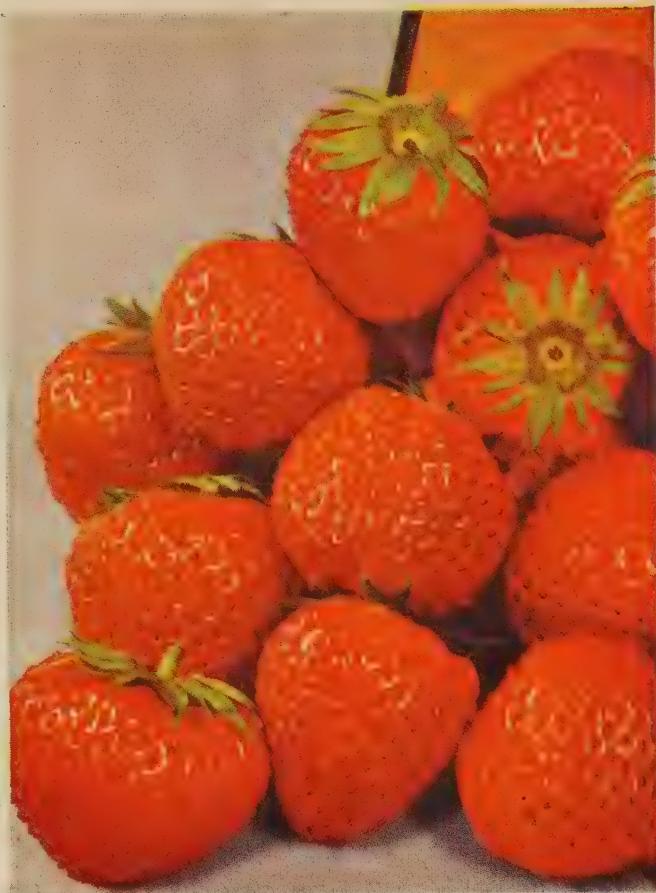
This new berry is twice as large as the Youngberry but of the same appearance. The Boysenberry is practically seedless and the flavor is unexcelled. Set the plants 5 to 6 feet apart in rows 8 feet apart for commercial use. In the home garden, they may be set closer together in rows. **Strong transplanted roots: Each 30c, 3 for 85c, 12 for \$3.00, postpaid.**

LOGANBERRIES

Supposed to be a hybrid between the blackberry and raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. **Each 30c, 3 for 75c, 12 for \$2.50, postpaid.**

YOUNGBERRY

This well-known berry is a cross between the loganberry and the dewberry. It has the pleasant flavor of the red raspberry, the juiciness of the loganberry and the jelling and canning qualities of the blackberry. **Each 30c, 3 for 75c, doz. \$2.50, postpaid.**



LIEFGREEN'S Vegetable Plants and Roots

All plants shipped at customer's risk. We cannot secure plants after dates specified.

Wherever possible all vegetable plants will be furnished from transplanted flats and packed with soil to assure safe delivery.

ASPARAGUS

Asparagus is very easily grown. For the small garden set plants 12 inches apart in rows 3 to 4 feet apart. Set the plants 8 to 10 inches deep in well fertilized trenches. After frost in the fall cut the dead tops and mulch the surface.

MARY WASHINGTON—A variety that has come to the front, grows very large and is very rust resistant. **75c per doz., 100 for \$3.50, postpaid.**

PEPPER PLANTS

(TRANSPLANTED)

FLORAL GEM, CALIFORNIA WONDER, ANAHEIM CHILI—From about March until June 1st. **Per doz. \$1.00, postpaid.**



Asparagus, Mary Washington

CABBAGE and CAULIFLOWER

Plants quoted on request. State quantity.

EGG PLANTS

(TRANSPLANTED)

NEW YORK ROUND PURPLE and BLACK BEAUTY—From about March 1 until May 15. **Per doz. \$1.00, postpaid.**

RHUBARB

GIANT CHERRY—Stalks of large size and excellent flavor. One of the prime favorites in rhubarb. Large divisions. **35c each, 3 for \$1.00, \$3.50 doz., postpaid.**

SWEET POTATO PLANTS

We can furnish plants from April 1 to July 1. **Per doz. 50c, \$2.00 per 100, postpaid.** Write for quantity prices.

TOMATO PLANTS

(TRANSPLANTED)

EARLIANA, VICTOR, BEEFSTEAK, MARGLOBE, NORTON STONE, and DWARF STONE—Ready about March 1 until May 15. **Per doz. 75c, postpaid.**

PLEASE READ BEFORE ORDERING

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C. O. D. Prices quoted in dozen and 100 lots are postpaid.

WRITE FOR QUANTITY PRICES



Grass Seeds for Winter and Summer

GOOD SEED IS THE FIRST REQUIREMENT FOR SUCCESS
Liefgreen's Lawn Seeds are thoroughly cleaned and are tested for purity and germination.

When you buy Liefgreen's Lawn Grass Seed you avoid failure and disappointment.

DIRECTIONS FOR PLANTING—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10 x 10 feet for Australian Rye Grass; one pound to 10 x 20 for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early spring and Bermuda Grass during the spring, summer and fall months.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.



Australian Rye Grass

An extremely hardy and the most popular winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly recleaned and sure to please. Postpaid prices: 1 lb. 30c, 5 lbs. \$1.25, 10 lbs. \$2.25.

WRITE OR PHONE FOR QUANTITY PRICES

White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with winter lawn grass. Lb. \$1.35, 5 lbs. \$6.70, 10 lbs. \$13.20, postpaid.

WRITE OR PHONE FOR QUANTITY PRICES

Bermuda Grass

Used exclusively for summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly recleaned, thereby eliminating the undesirable weed seeds. Lb. \$1.10, 5 lbs. \$5.25, 10 lbs. \$10.50, postpaid.

Kentucky Blue Grass

Fancy, recleaned seed of tested quality. Used for summer lawns in the higher altitudes and mountain districts and in the warmer sections for winter lawns. Lb. 65c, 10 lbs. \$6.00, postpaid.

TRANSPORTATION CHARGES PREPAID UNLESS OTHERWISE STATED.

Red Top

AGROSTIS ALBA—A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in higher altitudes. For pasture, sow 15 pounds per acre. Lb. 45c, 10 lbs. \$4.00, postpaid.

Seaside Bent

AGROSTIS MARITIMA—A true creeping bent, used for putting greens. Our stock is recleaned and extremely pure and free from weed seeds. Certified (Blue Tag) seed. 1 lb. \$1.25, 5 lbs. \$6.00, postpaid.



Field Seeds, Clovers and Grass Seeds

Postage paid on Field Seeds to and including Third Zone only and up to and including 10 pounds.

We request buyers of sack lots or over to write us for special quotations.

Our Field Seeds are thoroughly recleaned to insure high germination and purity.

Alfalfa

LIEFGREEN BRAND CHILEAN ALFALFA SEED—Chilean alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. 1 lb. 65c, 5 lbs. \$3.15, 10 lbs. \$5.50, postpaid.

LIEFGREEN BRAND HAIRY PERUVIAN ALFALFA SEED—Produces remarkable amount of tonnage. 1 lb. 55c, 10 lbs. \$4.75.

Miscellaneous Grain

AS ALL GRAINS FLUCTUATE IN PRICE, WE ARE UNABLE TO LIST POSITIVE PRICES. PLEASE ASK OR WRITE FOR SAMPLES AND PRICES, STATING QUANTITIES.

LIEFGREEN'S DWARF MILO MAIZE—A very select strain of Dwarf Milo Maize. Plant three pounds to the acre. 1 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$2.00, postpaid.

LIEFGREEN'S RESELECTED HEGARI—Harvested from selected heads. 1 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$2.00, postpaid.

STANDARD BARLEY.

CLUB WHEAT—Soft spring wheat.

WINTER RYE—A winter pasture crop.

EARLY BAART WHEAT—Planted from October to March.

TEXAS RED OATS—For fall and spring sowing.

EARLY AMBER CANE—For pasture we recommend sowing from 50 to 60 pounds per acre.

RED TOP CANE—Will make an abundance of fodder either green or cured.

TEXAS SEEDED RIBBON CANE and ORANGE CANE—For syrup purposes.

SUNFLOWER—Highly valued by poultry breeders as poultry feed. 1 lb. 35c, 10 lbs. \$3.00, postpaid.

GOLDEN MILLET—Sow 30 pounds per acre. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

VETCH—Sow 40 pounds per acre with grain. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

pounds per acre. 1 lb. 40c, 10 lbs. \$3.50, postpaid.

SWEET CLOVER (Mellilotus Alba) or **White Blossom Sweet Clover**—Sow in the spring or fall at the rate of 20 to 25 pounds to the acre. Scarified seed, per lb. 30c, 10 lbs. \$3.00, postpaid.

MELILOTUS INDICA (Sour Clover)—As a cover crop in citrus groves it has no equal. We offer only the best quality, recleaned and scarified seed. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

Pasture and Hay Grasses

SUDAN GRASS—A drought resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

BROME GRASS (Bromis Inermis)—An excellent pasture grass for general range purposes. 1 lb. 45c, 10 lbs. \$4.00, postpaid.

TIMOTHY—Sown in our higher altitudes where it is quite successful. Requires 15 pounds per acre when sown alone. 1 lb. 25c, 5 lbs. \$1.15, postpaid.

ORCHARD GRASS—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. Sow 35 pounds per acre. 1 lb. 65c, 10 lbs. \$6.00, postpaid.

MEADOW FESCUE—This is a very valuable species for permanent grass lands and is relished by livestock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. 1 lb. 65c, 10 lbs. \$6.00, postpaid.

Field Peas and Beans

WHIP-POOR-WILL COW PEAS—As a soil renovator. They should be planted at the rate of 50 to 100 pounds to the acre. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

BLACK-EYED PEAS—Easy to grow. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

PINK BEANS—Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

Cover Crops

SESBANIA (Wild Hemp)—Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40

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PHOENIX, ARIZONA



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"We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seed."—Liefgreen Seed Co.

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WE PAY THE POSTAGE ON ALL FLOWER AND VEGETABLE SEEDS LISTED IN OUR CATALOG. FOR RATE ON ITEMS WE DO NOT POSTPAY, SEE "PARCEL POST RATES" IN CATALOG.

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SPECIAL NOTICE:—We will appreciate the names and addresses of any of your friends who are interested in gardening . . . We wish to send them our catalog.

Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

For the colder sections of Arizona, the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes, most of the varieties listed here should be planted in the spring, after all danger of frost.

All seeds listed herein are particularly adapted to any section of the United States as well as Arizona, if planted during the proper planting season. You can make your purchases with full confidence.

February Planting List

FLOWER SEEDS: Alyssum, African Daisy, Ageratum, Anemone, Anagallis, Asparagus Fern, Aster, Bachelor Button, Balsam, Browallia, Calendula, Carnation, Candytuft, Calliopsis, Centaurea, Chrysanthemum, Coreopsis, Cactus, Columbine, Cosmos, Clarkia, Canna, Dahlia, Euphorbia, Evening Primrose, Four o'Clock, Gaillardia, Gypsophila, Gerbera, Geum, Geranium, Gourds (protected), Hollyhock, Helichrysum, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Petunia, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vine Seeds, Vinca, Verbena, Woolflower, Zinnia.

FLOWER PLANTS: In season.

BULBS AND ROOTS: Agapanthus, Canna, Caladium, Gerbera, Madeira Vine, Tuberous, Queen's Wreath Vine.

VEGETABLE SEEDS: Asparagus, Beans, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Herbs, Kale, Kohlrabi, Leaf Lettuce, Leek, Melons, Okra, Peppers, Peanuts, Pumpkin, Radish, Squash, Swiss Chard, Tomato.

VEGETABLE PLANTS, ROOTS AND TUBERS: Artichoke, Asparagus Roots, Egg Plant, Onion Sets, Irish Potatoes (in higher altitudes), Sweet Potato Plants, Peppers, Rhubarb Roots, Strawberry Plants, Tomatoes.

LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Corn, Cowpeas, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Bermuda Grass, Sesbania, Field and Pasture Grasses (in higher altitudes).

May and June Planting List

FLOWER SEEDS: Amaranthus, Asparagus Fern, Celosias (Cockscomb), Cactus, Castor Bean, Cosmos, Gourds, Gaillardia, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Portulaca, Shasta Daisy, Sunflower, Tithonia, Vine Seeds, Vinca, Verbena, Zinnia.

FLOWER PLANTS: In season.

BULBS AND ROOTS: In season—Canna, Caladium, Madeira Vine, Tuberous, Queen's Wreath Vine.

VEGETABLE SEEDS: Asparagus, Beets, Beans, Celery, Corn, Kale, Melons, Swiss Chard, Peanuts, Peppers, Pumpkins, Squash, Tomato.

VEGETABLE PLANTS AND ROOTS: Asparagus Roots, Artichoke, Egg Plant, Peppers, Sweet Potato Plants, Tomato.

LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Cowpeas, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Corn, Sesbania, Bermuda for pasture.

July Planting List

FLOWER SEEDS: Cosmos, Celosia (Cockscomb), Cactus, Castor Bean, Gourds, Gaillardia, Lantana, Marigolds, Morning Glory, Nicotiana, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vine Seeds, Zinnia.

FLOWER PLANTS: In season.

VEGETABLE SEEDS: Broccoli, Brussels Sprouts, Cabbage and Cauliflower Seeds in shaded beds, Casaba, Corn, Melons, Peanuts, Pumpkins, Squash, Tomato.

VEGETABLE PLANTS AND ROOTS: Egg Plant, Peppers, Tomato, Sweet Potato Plants.

LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Bermuda Grass, Corn, Cowpeas, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass, Sesbania.

August Planting List

FLOWER SEEDS: Alyssum, African Daisy, Cactus, Early Cosmos, Gaillardia, Dwarf Marigolds, Nasturtium, Phlox, Portulaca, Tithonia, Virginian Stocks, Zinnia.

FLOWER PLANTS: In season.

VEGETABLE SEEDS: Beans, Beets, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Carrot, Early Corn, Cucumber, Kale, Peas, Pumpkin, Early Squash, Swiss Chard, Turnip, Rutabaga, Radish.

VEGETABLE PLANTS: Cabbage, Cauliflower, Onion Sets, Garlic Sets.

LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans (to about Aug. 10), Sudan Grass, Field and Pasture Grasses.

September and October Planting List

FLOWER SEEDS: Alyssum, Ageratum, Arctotis, African Daisy, Anemone, Anagallis, Browallia, Bachelor Button, Calendula, Candytuft, Carnation, Calliopsis, Centaurea, Canterbury Bells, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Godetia, Gerbera, Geum, Geranium, Hollyhock, Hunnemannia, Heliotrope, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Nasturtium in early September, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Poppies, Pyrethrum, Queen Anne's Lace, Ranunculus, Scrophularia, Salvia, Scabiosa, Snapdragon, Stocks, Schizanthus, Sweet Peas, Sweet William, Venidium, Wallflower, Wild Flowers, all Straw Flowers.

FLOWER PLANTS IN SEASON: We carry a complete stock of flower plants for early blooms.

BULBS: Amaryllis (October), Agapanthus (October), Anemone, Chinese Lily, Crocus (Calla), Lily, Daffodils, Freesias, Hyacinths, Iris, Jonquil, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips, Hardy Lilies (October).

VEGETABLE SEEDS: Beets, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Carrot, Collards, Cress, Endive, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Swiss Chard, Turnip.

VEGETABLE PLANTS AND ROOTS: Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

LAWN SEED: Bermuda Grass (September), Blue Grass, Winter Rye Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

FIELD SEEDS: Alfalfa, Barley, Oats, Winter Rye Grass, Wheat, Field and Pasture Grasses.

November, December and January Planting List

FLOWER SEEDS: Alyssum, African Daisy, Ageratum, Arctotis, Anemone, Anagallis, Bachelor Button, Browallia, Calendula, Canna, Candytuft, Carnation, Calliopsis, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Geum, Gerbera, Geranium, Gaillardia, Godetia, Globe Amaranth, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Pyrethrum, Poppies, Queen Anne's Lace, Ranunculus, Scrophularia, Salvia, Scabiosa, Snapdragon, Stocks, Schizanthus, Sweet Peas, Sweet William, Verbenas, Venidium, Virginian Stocks, Vinca, Wallflower, Wild Flowers, all Straw Flowers.

FLOWER PLANTS: Plant for early blooms.

BULBS: Amaryllis, Anemone, Agapanthus, Chinese Lilies, Crocus, Calla Lily, Daffodils, Freesia, Gladiolus, Hyacinths, Iris, Jonquils, all Hardy Lilies, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum, (Star of Bethlehem), Tulips.

VEGETABLE SEEDS: Beets, Broccoli, Brussels Sprouts, Carrot, Cabbage, Cauliflower, Collards, Chives, Cress, Endive, Kale, Kohlrabi, Lettuce, Leek, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Turnip.

PLANT UNDER COVER FOR EARLY CROP: In December and January, Egg Plant, Pepper and Tomato.

VEGETABLE PLANTS AND ROOTS: Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

LAWN SEEDS: Rye Grass Seed, Blue Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

FIELD SEEDS: Alfalfa, Barley, Oats, Winter Rye, Wheat, Field and Pasture Grasses.



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FLOWERS



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| 1. Giants of California. | 4. Violacea. | Pkt. 15c. |
| | Pkt. 25c. | |
| 2. White King. | 5. Rose of Heaven. | Pkt. 15c. |
| | Pkt. 15c. | |
| 3. Burgundy. | 6. Blue Bedder. | Pkt. 15c. |
| | Pkt. 25c. | |

ZINNIA, SUPER CROWN O'GOLD, PASTEL TINTS

One of the finest new Zinnias with immense flowers. Their wide range of pastel tints makes a showy plant 3 feet high. An excellent cut flower.

MIXED COLORS ONLY—Pkt. 15c. $\frac{1}{8}$ oz. 25c.



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